

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
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 <213> Glycine max

<223> Clone ID: 700893241H1

<400> 33079

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 ggcatttctt ttcgctgatt cagctttggc cgatgattgc agcgtgaata gttcatcagt 180  
 cactacggcc cttactgctt tgatatttgg aaggtatatc catattcata tttcacat 238

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893242H1

<400> 33080

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 atcacaaatt catgcctctt catttccgtg ttgttttcca aagcttagta gcatttttct 180  
 ggggagtatt cttgaacctt cgagcacgat ctatggcatt gattaaagcc tgaagca 237

<210> 33081  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893244H1

<400> 33081



002220-07200

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gatgtagata gagaataaaa agagaccagt gtgcagtgag aaagagggtg gtcacttctt 180  
gtgtggcttt gttttgttct ttgtgttgga atttgttgat ggggtgaagag ggagaagagg 240  
tgtc 244

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<212> DNA  
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<223> Clone ID: 700893249H1

<400> 33085

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tgcaccatga atctcttaca gaggcacatc ctggtgacaa tgtgggattc aatgttaaga 180  
atgttgctgt taaggatttg aagcgtggtt atgttgcttc aaactcaaag gatgacc 237

<210> 33086  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893178H1

<400> 33086

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gtgaaagaca acatttggtt gatatccctg gaactgttgt agatagtaac acaacgcaga 180  
agcaatcaga tggaaatagg acatgtagag ttccaagctt aaagactgag aagattga 238

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700893179H1

<400> 33087

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gagaataaat ttgtgaatgt gtgtagctc ctcgctaaca catatcttat agtggtttta 180  
tttatatgga tgagtgttag ctctcacta acacatcttg tagtggttta ataaatctgt 240  
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<210> 33088

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700893180H1

<400> 33088

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<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700893181H1

<400> 33089

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gagagaaaaa ctgaggaatc aaaagatgac aaagaatcta aggaggaagt tgcgccgtca 180  
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ctcaaagga 249

<210> 33090

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893182H1



<400> 33090

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ttccatggaa ttgtaagatt ttaggacaag agcttccacg tttatcagaa aacgatctca 180  
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<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700893183H1

<400> 33091

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gcactccgat tggagggtgtt atgtgacagc caagggtgaca acatctgccc cgctgattgt 180  
gttggtgtct ataaccctgg tttctggggc atgcatattg agcaacggca gtgatacaca 240  
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<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893184H1

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tcacttgaga tataagttca tgaatgcatt tgacagagca atctccttgc ttgatgataa 180  
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<210> 33093

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893185H1

<400> 33093

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 tgttgtgccg tcaattgctg agaacacttt ggggtgttgct tatgagagag gtctgatcgg 180  
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<210> 33094

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893186H1

<400> 33094

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 cagaggaggc ctcaaatgga gtagctgtga actctgatga aattgaagct gccacatgag 180  
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<210> 33095

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893187H1

<400> 33095

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 atgtcatggc caattttgtg aaatatcttt tcggatatgt atgcacaaa tttatctcga 180  
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<210> 33096

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893188H1

<400> 33096

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 tcctaaccce ttcaagaggc ctctgtctgt gtttttgctg gaagtgaatg gaatcaatgg 180  
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<210> 33097

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893189H1

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 tgttcgttta ttccattta cccatcaacg caagcatcgg caacagcaac aagtctattg 180  
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<210> 33098

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893190H1

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 aaaaataaaa ataatttct tcgttattat ttcatttcaa tttcgttttc gttttcgttt 180  
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<210> 33099

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893191H1

<400> 33099

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 aagactgtgg aggttgagga gttgacggtg gaggagagga atctcctctc tgtggcttac 180  
 aagaacgtga ttggtgagag gagggtctcg tggaggatca tctcctccat tgag 234

<210> 33100

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893194H1

<400> 33100

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 tctcttgctg atttctttac agaacttgga aaataatttc tttaaaactg aactttttca 180  
 aatttgatt taattttgat ttgattattc atgcgactga ttagttttaga ttaact 236

<210> 33101

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893196H1

<400> 33101

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 ctgagaagcg tgagatatat gatcagtatg gtgaagatgc gcttaaggaa ggaatgggtg 180  
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<210> 33102

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893202H1

<400> 33102

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tcaccacccg ttccgtcatg taccctgtga tagtctcatc tcgatcacgt acagttcttg 120  
gttgtagata cctcctcagc tcgccattta tgctgcgacg aaactagaag gtctaaagca 180  
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<210> 33103

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893203H1

<400> 33103

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gcaatagggtg agcaccggct aagggtgggtg cctgagacaa caacaccatg ccaaagctcc 180  
atagaagagt gcatggcaga aggtgagttt ggaatggatt cagagtccca ccggcgcat 240  
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<210> 33104

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893204H1

<400> 33104

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ttcaaagaaa gaacacattt ttgggaagaa gaagttctcc actagagcca agtttcacga 180  
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<210> 33105

<211> 239



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<210>      33108
<211>      240
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700893210H1

<400>      33108

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ctgaaaacgg cggaagaatt actcaatggt gggcataagc aggatgcttt gcagactctc  180
catgatctca tcacctcaaa gcgatacaga gcgtggcaga agacacttga aaggattatg  240

<210>      33109
<211>      240
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700893211H1

<400>      33109

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ttttgataga gatgtgtggg gctatatatc tttgggttac tttaagcaga ccactaaggc  180
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<210>      33110
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700893212H1

<400>      33110

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gtagtatgga gatggggctg accaccacag tgcttgtacg tgggtctaata cagcttgtgc  120
tcgatgacgc tgaacggagt atgcacgatg ctatgtgtgt agttaggtgt ttggttgcca  180
agaggaacat cattgccggc ggtggtgccc ctgagattga gctctccagg cagctgggtg  240
cc                                                                                   242

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<210> 33111  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893214H1

<400> 33111

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 cttccatggt gctcatgggt ggaagatggt cccatttgct ggatggagca tgccaatcca 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893215H1

<400> 33112

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<210> 33113  
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 <212> DNA  
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<223> Clone ID: 700893177H1

<400> 33113

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 tgtcagagaa atcaagccca agaacaggag aatcatgggt gctggagggc ctgatgatga 180  
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 <213> Glycine max  
  
 <223> Clone ID: 700893131H1  
  
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 ctttctcaga aattctggag caccaaggat cctggccagg accctttcac tttcaaaatc 180  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893135H1  
  
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atatgaatca tcaggcaaaa ttttatcaga ttctatctct aatggacaag gtgctgtacc 180

actggaggct ggattgactc tgtcaaagtc catggtgcct gggatttcaa gcgaaa 236

<210> 33117

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700893137H1

<400> 33117

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<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893138H1

<400> 33118

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aacttagcaa ccctatgtcg aagggtggtt gtgtcaccgg agccagcggc gccatcggat 180

catgggtggt cctactcttc ctccagcgtg gttacaccgt ccatgccacc gtccaagata 240

<210> 33119

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893139H1

<400> 33119

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aggtggcaac tgattctggg gcactcagcc tggataaaga caaaaacatt atggtggtag 180

gtgaaaactt gcccgttgac atgaacgagg aactaaggat attaaggga cgatgcat 238

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 <213> Glycine max

<223> Clone ID: 700893140H1

<400> 33120

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 cgaaacgacg tcggagaagg ggagaaggag ggagaagagg ttcacttcgg ataaaaaagt 180  
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<223> Clone ID: 700893141H1

<400> 33121

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 agaaatgggt tcacactttg taatgtacct agctaagttg aaagaaaaat caaatcagg 180  
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<210> 33122  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893145H1

<400> 33122

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cactgcagca actcttgtct taccagcaaa ctcttctatc tcaacttggc catcaacaat 180  
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<210> 33123  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893152H1

<400> 33123

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 agctttttat ggagattaaa ggtcacagat tgatcacttt gaagtgatgg agatggtagt 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893153H1

<400> 33124

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 gtaactctag gaattatgct gcaactggaa ctgacttcaa tggcggaatg tactcgctg 180  
 ggtagctga tgtgtcacct gtatctccag ttac 214

<210> 33125  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893156H1

<400> 33125

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 gttccgggtg gaagggtata caaagaaagt agttttacag aatcaggcaa ggatattgtt 180  
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<210> 33126  
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<223> Clone ID: 700893157H1

<400> 33126

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 atctctttgt tccagggccg agttaacatt ccggaccaga tcatccgggc catgaacaga 180  
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 <213> Glycine max

<223> Clone ID: 700893158H1

<400> 33127

gagagatcgg atacaaagag atcgagcaat ggcattagtg tcttcacttt ctccctgcgac 60  
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 ggagaagggt tacattaccc acgtccacac aacataa 157

<210> 33128  
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 <213> Glycine max

<223> Clone ID: 700893159H1

<400> 33128

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gcttgtggcc ttgtgggaga acaagattgg caagaccctc gaaaaaattt atgtaccaga 180

ggagaagggt ctcaaggaca tcgaagaggc acctcttcca atcaatgtgg tattagcaat 240

<210> 33129

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893160H1

<400> 33129

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agctgatcgc tgaatcgaag tacgtccaga acaacccgcc ggtgctcatt cccaagagg 120

acagagtcgt gaagcacgtc ttggacgttc tgttaccgtt cagcaccacc accggcgggtg 180

gacccttgct cgtaaaccac gtcacctacc acgtctgcag agggaaacctc atcgtggagt 240

<210> 33130

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893161H1

<400> 33130

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agcaaactgt ggaaattgct atttatgaga agtgcattat tgtttgggag ctgcgcgtgg 120

tgggctggga ggtagctac aatgctgaat tcaagcctga tgttgaagat gcatatacgg 180

ttatcataca gaaggccaca aagatgtccc ccaccgatga accagttggt tccaata 237

<210> 33131

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700893164H1

<400> 33131

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ccagtgcac accgtgtaca ccttgatgct cttcttggtt gagtttagag gtgccagaat 180  
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 tga 243

<210> 33132  
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<223> Clone ID: 700893165H1

<400> 33132

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 agctaagagt cagacgaagc aggacctaga agccaaacac gtcgcagccg tagataacta 180  
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 g 241

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<223> Clone ID: 700893167H1

<400> 33133

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 caatccatgg ttgctttatg tccaaacaat aatgaagacc acatctatag gttggtggac 180  
 gacaaatgtg caaagttgta tgctcttcaa aagacaacaa atgtgcagtg ggctgtg 237

<210> 33134  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893169H1

<400> 33134

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 acttgtttca ttttctctcg aagcaagaaa aatgttcacg gagagtttca aggttgagag 120  
 tcctaacttg aagtacacag agactgagat tcagtacttg tacaactatg aaaccactga 180  
 acttgttcac gagaacaaga atggcactta tcagtgggtt gtcaagccca aaactgtc 238

<210> 33135  
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 <213> Glycine max  
 <223> Clone ID: 700893171H1  
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 tttgatagcc atgaaagcac catcaaaatc caggacgaga caatgcaaat ccatgcagtg 120  
 cagttgccac cacaccgaac cacactccac acaac 155

<210> 33136  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893172H1  
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 tccgcgaaga agacatggac gacgacgacg acgagtctca ggaggacgga gactacgaag 180  
 aagaagacga cgacgtttta gccgacgacg aagaaaacga gccctctccc tccacggg 238

<210> 33137  
 <211> 83  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893173H1  
 <400> 33137

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gagcgccggc cgtggaggag tcg

83

<210> 33138  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893174H1

<400> 33138

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 ccgagctctt catttttgag ttttcctatg aatcaaacct ctgaaatgtc tgtcaacaat 120  
 agtttcccaa ttggaaccac cccaggtata tcaagtatca caacaaaagg ctcttttcaa 180  
 gaagaagtta catcaggaca ttaaaggatc cagtgggttt ccaagttatg atatttttg 239

<210> 33139  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893175H1

<400> 33139

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 cttcgccggg aagcagctcg acgacggacg cacccttgct gactacaaca tccagaagga 180  
 gtcaactctc cacttgggtg tgcgtcttcg tgggtggtatg cagattttcg tgaaga 236

<210> 33140  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893176H1

<400> 33140

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 aatttcacca gacactgaag gttcttgcaa actgaagatt gttagttcta aggagattc 120  
 aactggtgct agagggtattg taatatctgg aagttcctcc tttatggggc ctaatctagt 180

cacagaagta ccagaagggtg aagatgacag aaaatttagt tctccacagc tactg 235

<210> 33141  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893130H1

<400> 33141

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 ggtgtgaaga agcctcatcg ttatcgccct ggaactgttg ctcttcgtga gattaggaaa 120  
 taccagaaga gcaactgagct cctaatacagg aagcttcctt tccagagggt gggtcgtgaa 180  
 attgccacagg atttcaagac tgatctgcgt ttccagagcc atgctgtgct tgcattgcaa 240  
 gaggc 245

<210> 33142  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893091H1

<400> 33142

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 gtccctgtgt ctctgtatct gtctttgtct ctgttcgtct cgctgaagga atcgctaagg 120  
 atcacattct ttgcagggtt agttttctgct tctggccacc tctcaagttc tctgcttttt 180  
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 tt 242

<210> 33143  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893093H1

<400> 33143

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ttgaattggc tttcctctgg caatgctatg aatgaagaag atgttttcca aaggtacctt 120  
acaatgacct cagcaaataa ggccaacggt tggatggag gtagtctcct tggatgacaa 180  
gatgaaaaca gtgagatata tgaacattat gcagagttat gtcagggacc tgccttgga 240  
ctt 243

<210> 33144  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893094H1

<400> 33144  
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aaccaaaatc tgaatcttag ggcaccaaca cctttgatcc aatgggttcg gttgccgcag 120  
aagaactgaa cttagattta agatcctcct tcgtcccaa aaccatcacc gatttcctcc 180  
gccacctctc cgccaacaac aaccacctg ccacctccg cgatttcctc tccgcctcg 240  
aagacg 246

<210> 33145  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893103H1

<400> 33145  
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cgtaccggca gctcttccac ccggcgagc tgaccagcgg caaggaagac gccgccaaca 120  
actacgcgcg tggccactac accatcgga aggagctcgt cgatctccgc ctcgagagga 180  
tccgaaagct cgccgacaac tgcagcggtc tccacggtt cctcggttc aacgccgtc 239

<210> 33146  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893104H1

<400> 33146  
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 caatctagcg gatatgaagg tcgtcgctgc atacttgctc gcagtgttgg gagggaatcc 120  
 atctccttct gccgatgata tcaaaaacat cctcggcgca gttggagctg aggctgagca 180  
 tgagttgatt gagttgctct tgaccgaagt caagggcaaa gacttcaatg agctacttgc 240  
 ta 242

<210> 33147  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700893105H1

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 agaaggcaat ggatggagtt atgagaagtg caggcgctcag tggaatctgg tggatacaga 120  
 tcacttgaga tataagttca tgaatgcatt tgacagagca atacanaagc ttgatgataa 180  
 attctcattc cttgcatcaa caaaacagat tgtgagcagt gcagatgatg atgacaaggt 240  
 tatagt 246

<210> 33148  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893106H1

<400> 33148  
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 cagcgtccga ttcacgaaac gatgcagccg tgcaagccac caacgacgac gcttccgcca 120  
 gtaaattgtc atgtgtaaaa aagggatata tgaaagatga ttatatcat ctatttgtga 180  
 gaaggcctgt gaggagatct ccaatcatta atcgtgggta ctttgctcgc tgggctgcat 240  
 ttcgga 246

<210> 33149  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893107H1  
  
 <400> 33149  
  
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 gtcgctcact tgcgcactct caacatccaa gtcgaagatc tcggaacctc ttcctactac 120  
 tccgcccggag ccgaggtcgg tcgccgagtc tcccaatcct cctcctccga catccgtggc 180  
 ctcgtcgcct gcggcaccgg cgccggcgtc tccatcttcg ccaacaaata tcccggcgtc 240  
 tacg 244

<210> 33150  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893108H1  
  
 <400> 33150  
  
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 ccgggggtgtt tgctcagga ttaaaaaaac ttggaaccgt ggaagttcag gaccatccat 120  
 tctttgacac tgtgaaaatt aagactgcc aatgctgat gctgctcgca 180  
 agaatgaaat caatttgagg gttgttgatg ggaacactat cactgttgcc ttcgatgaaa 240  
 caac 244

<210> 33151  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893110H1  
  
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agtgtgcttt gacattgatg ccaatggtat cttgaatgtc tctgccgaag ataaaaccac 180  
 tggccagaaa aataagatca ctatcaccaa tgacaagggt agattgtcaa aggaagatat 240  
 tga 243

<210> 33152  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893111H1

<400> 33152

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 gagcttcaag gccaagttcg ccaagaccta cgccaccaag gaggagcacg atcatcgctt 180  
 cggcgctcttc aagtccaacc tccgcagagc caggctgcac gccaagctcg acccctccgc 240  
 cgt 243

<210> 33153  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893113H1

<400> 33153

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 actcaactct gatctgagga aatttgccgt gaatctcatt cccttccctc gtctgcactt 120  
 cttcatgggt ggatttgccg ctctcacctc tcgcggtctt cagcaatacc gcgcattgac 180  
 agtgccagag ctgacacagc aaatgtggga tgccaagaac atgatgtgtg ctgcagatcc 240  
 aagg 244

<210> 33154  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893114H1

<400> 33154

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 aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg ttattggcca tgttgactct 120  
 gggaagtcca ctaccactgg ccacctgac tacaagcttg gaggcattga caagcgtgtt 180  
 attgagagat ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtagcctgg 240  
 gtgct 245

<210> 33155

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893115H1

<400> 33155

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 ttctgaattc tatccctagt atctgcagtg catatttcat tccaagctct catcaagttt 120  
 catggctaag agatgaatgt aatggaggct ggaacacagg ttcagactag gacaaggatga 180  
 taatagtcac ggggacacaa gccgttggtg gatgatgac cctctaggaa ataggaatgc 240  
 ttaa 244

<210> 33156

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893117H1

<400> 33156

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 tctttgacac tgtgaaaatt aagactgcc atgcccacgc aattgctgat gctgctcgca 180  
 agaatgaaat caatttgcgg gttgttgatg ggaacactat cactgttgcc ttcgatgaaa 240  
 caacca 246

<210> 33157

<211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893119H1

<400> 33157

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 aagaagaaga ttttgaggat gatggcactt catccacaaa gaaatggaag aggcagaaaa 180  
 aggatgctgc agatcaatct gatcaaggaa cagtaactgt tgcctgtcct ggaactgggg 240  
 a 241

<210> 33158  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893120H1

<400> 33158

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 acggaccatg gatgtcctat ggtgctcaca atgcctgcct gtccttactt atacgcgat 180  
 gatctgattg aagtcttgaa gtgaaagcat gcttctggca catatacaaa cctagt 236

<210> 33159  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893121H1

<400> 33159

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 tggggcagcg aaagggttgg agtatttgca tcatgggtgt gcgaggcccg tcattcatag 180  
 agatgttaag tctagtaaca tattgttggg tgagtttttg aaacctagga ttgccgattt 240



cgg

243

<210> 33160  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893122H1  
 <400> 33160

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 accgccggac ccgctcccgg acccgaggt cgcgccgagc caccaccgcc accctccgcc 120  
 gcattccccg ccagcaaggc cttcattgct ggctccgcac tctctggaat cttcgtagcc 180  
 atggtcttgg cttaaaaact ttcgagagaa gcattgtctt tgatgattcg tccacgtgga 240  
 gg 242

<210> 33161  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893123H1  
 <400> 33161

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 tgagacggtc tggtcagaag tctacttcta tttggctgaa aaçaatgacc tcattgaggg 120  
 acttttgctc aaacctagca tggttacacc ttaggctgaa caaaaaatct aaaattctcc 180  
 agaaaccatt gctaaatata ctctaaccat ctatagaaga agagttcctc ctgctgtcc 239

<210> 33162  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893124H1  
 <400> 33162

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 acgacaacaa tcccttcttc ttcctcaga tccacaaccc gcgtcctcac ctaagccgcc 120

ggcaccggaa gatggaggac gacgagaaga cacccttggt gggagaaatc gaggaggtgg 180  
 acgcgagtcc cgtggaggag gagggcacga gcgagcggga gaagcgcgtg cggaccaagg 240  
 tcccg 245

<210> 33163  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893125H1

<400> 33163

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 tcagtccatg acccaagctg gcctcactcg ctaagggtcc gccccgggtt ctcttctcac 120  
 cagcacgggtt gattctctta ttggtggatc ccgtcccagt ccctactttt ccggagagtc 180  
 ttctgagtct ccttgcaaag agcaaagatc tttccacaaa aa 222

<210> 33164  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893126H1

<400> 33164

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 gtgctgagat tgataacaat tcgaagaagc ctttcaagat cttcgtaggg tatgaccctc 120  
 gcgaagatct tgcctatgag gtatgtcgcc actccatctt gaaaaggctt tcaatccctg 180  
 ttgagatcat accaattaag cagtcagatc tgaggaaaag tggtttgtat tggcgtgaga 240  
 ggg 243

<210> 33165  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893127H1

<400> 33165

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tctgttacca aaagcaactc cttgcatttt gttcttggct ctgctgtctt gtacttgctt 120  
tacttctaca gatgcttatg atccactcga cccaaatggg catatcacia tcaaattggga 180  
tattataagt tggaccccag atggatatgt ggctgttggt acgatgaaca acttccaaca 240  
atatc 245

<210> 33166  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893129H1

<400> 33166

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ctctctctcc tctcttaaaa tcaactatacg gttgtaccat tcaaattaaa gattgttcga 120  
actgcagagt aaactgcagt atagagctaa taatcctcag atcaacgaaa acaagagttc 180  
ttgtagggtt cattgtcatg gagctgaatt cacagaagag accattttca atcaaattat 240  
ggcct 245

<210> 33167  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893087H1

<400> 33167

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agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccgacga 120  
cggtgaaggc ggctttggct gagttcatct caaccttcac ctctgtgttc gccggctcag 180  
gctccggtat cgcctacaac aagctcaccg acaacggcgc tgccaccctt gccggcctca 240  
tct 243

<210> 33168  
<211> 252  
<212> DNA

<213> Glycine max

<223> Clone ID: 700893045H1

<400> 33168

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 caaccggaag cgaaacccca agatctccct ccggatcaac cagcttcggc gccctcggat 120  
 gcaaaacccg aagatcttca tccgaaccag ccagggttcgg agtctcccga agccaaagca 180  
 gagggggaag aagaggatga agaagaagaa ggagagtgcg ggttctgcct cttcatgaag 240  
 ggtggtgggt gc 252

<210> 33169

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700893046H1

<400> 33169

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 gtgacaggca aaggaccatt tgagaacctc ttgcagcacc tctctgacct gtggcacaac 120  
 accatcatca atacaattcg tggctactaa gtttgtatcc aatgacatgg ataagcctgt 180  
 gtccttctcg tgtaatcctg aatggatgaa ttttgagagt gatttgggag tgattgttgt 240  
 gatccatcta tt 252

<210> 33170

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700893048H1

<400> 33170

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 acgctatgaa gctatgttgc tcccatcggt tgggtcatat ttttcagaga agatatctga 120  
 agaaatctgc aattcagctg ctaagatggc caataattta gaggtggatg cactttttgt 180  
 gtacacaaag acagggcaca tggcatctct attgtcadgc tgccgtcctg actgcccaat 240

ctttgctttt actaccac

258

<210> 33171  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893049H1

<400> 33171

cagaacaacc agccgctgag gctcctgccc cagaatcaac caccgaagca ccaaaggaag 60

aaaccaccga ggcaccaaca gaaacagtag aaaaaacaac tacagaagta gcccagagg 120

agcctaaaga agttccagtt gagaccgagg aggtggtggc aaaggagaca gaggaagaga 180

agccagcaga agagaaatca gaggagaaaa ctgaagaagt gaaagaagaa gcagaggagc 240

ctaaagaaac tactgaaac 259

<210> 33172  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893050H1

<400> 33172

gtgtttaatc tgaaatttgt ttgaccaaatt tcatggcgga actgataggg cctcgcttgt 60

acagctgctc taattgtaga aaccatgtct cactccatga tgatattatt tccaagagat 120

ttcatggaag aaacggccga gcctttctgt tttcccatgc aatgaatatt gtcacggggc 180

caaaagaaga caggcatctc ttgactggcc tccatactgt tgctgatgtt tattgtggcg 240

attgccgtga agtggtt 256

<210> 33173  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893051H1

<400> 33173

gaaaagggtg gaaccgtggt ggtgtccgct ctgcagtttg cttgcaccga tgatgtctca 60

acaaatgtcg ccaccgccga gaggctagtt agagctgcac ataaacaggg tgcgaacatc 120  
 attcttattc aggaactctt tgaaggttat tacttctgtc aggcacagag agaggagttc 180  
 attcaaagag ctaagccaca taaggaccat cccacaatcc tcagaatgca gaaacttgca 240  
 aaagagttag gt 252

<210> 33174  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893052H1  
 <400> 33174

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 agggatggaa gtcaatcaac aacatatgaa catggttttc gtgttgggtt caaaggaaac 120  
 tatcaaggga gcaaggagga gaaatatttt attaataacc acttgagttt cagagtcattg 180  
 tatcacaagg atcctgaaac tggttctgct cgtattgttg gatttgaggt caccctaaac 240  
 agtataaatc a 251

<210> 33175  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893054H1  
 <400> 33175

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 gaaaatgtct tgctgcggtg gtaactgttg ttgcggaagc tcctgcaagt gcggcaacgg 120  
 ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
 cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240  
 cgctgagaac g 251

<210> 33176  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893055H1

<400> 33176

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 agcggactgc tggcctcata cattctggca atgagatttt ggagacatac acttattacc 120  
 cagatgccag tcttcaagag agagaacatg ttttgaaca gcaaactgtg ttacgacaac 180  
 ttgagtcaat attgtctatt cacaaattag taaggcttgg acattatgtt gatgcattaa 240  
 gggagg 246

<210> 33177

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893057H1

<400> 33177

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 agttaccaat tgttctacac aagatgttta cgaactaccc gtggagagtg gaaagaccta 120  
 cctgttgaga attatcaatg ctgcactcaa tgaagagctc ttcttcaaaa ttgctggcca 180  
 caagctcaca gtggtagaag ttgatgccac atatgtaaag cccttcaaga ttgaaacaat 240  
 tttgat 246

<210> 33178

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893059H1

<400> 33178

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 gtttctaccg agtagagacc tttagaggca tcttccttgg tttcttgtgt tgtttatcaa 120  
 gcaaattaaa tgtcatttgc tcccatcaga tcctctgatt aacttttctg aagtattaaa 180  
 agtagagaca gctgtgattt tagttttatc gggtcactct tgtctgcaat aaaattcatt 240  
 tttctt 246

<210> 33179  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893061H1

<400> 33179

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 tcatgtccca agagtgggcc atgacactaa tccttactat ttgatgatga acagataaag 120  
 taacttgatt ggaaaataag cattatattat ggaatagcag gaggcctatt ataccttcat 180  
 gaggactctt ggctcagagt aaatcataga gatctcaaag ctagcaatgt tctattagac 240  
 c 241

<210> 33180  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893062H1

<400> 33180

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 gccgattccg ttaagtgttt ctaccgtagc gctcaggaag gaggcattgg ctggtggtgt 120  
 tggttggtgt ggaggtggtt ttgccgatca gttgtggttag agggtaggaa agaaaaaaaa 180  
 agtggaaaat gagttcagac agccgcagca ggagcaggag cagaagcagg agcccaatgg 240  
 accgtaag 248

<210> 33181  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893065H1

<400> 33181

ccccaatccc aatacactcc caactcacia agccatgtct ccaggctctg ttgtcgacgc 60  
 ttcccctgag gttgaagcag agcaacaact tccctccgtc gatgacgcaa ccagttgaa 120



gaaatcccaa cgcagagga tgatgctccc gttgtcgagg acgtgagga tgatgacaag 180  
gacgacgacg atgaggacga cgacgacgat gatgaagatg acaaggaaga cgatgctcta 240  
ggtggtgctg aggggtca 258

<210> 33182  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893066H1  
<400> 33182

gacggcgctc aactccatcc accacaaccg gagccgcctc ttctccggcg gagcctgtct 60  
gatctccggc cgctgtccgg cgtcgttggc cctgacgtct ctggcgcggc agcggggagc 120  
tccgacgcga agaatagggt gagccaagcc gatgactctc tgaggaaagt gatgtacttt 180  
agttgctggg gtcagggtg aaccacacgt gatgaacgt ggagattaaa gtagtcgccg 240  
gagaaagtga accg 254

<210> 33183  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893068H1  
<400> 33183

cagcaatctc aactgcactg aaagaaagca atccggtgta tataagcatt agctgtaact 60  
tgcttgggat tctcacccc actttcagtc gtgatcctgt tcctttttcg ttatctccaa 120  
gattgagtaa caagatgggg ttggaggctg cagtggaggc agcggcagaa ttccttaaca 180  
aggcagttaa accagtgtg gtgggtggtc ctaaactgag ggtggcaagg catctgatgc 240  
ctttgttga 249

<210> 33184  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700893069H1

<400> 33184

gcagaaacca gagaacattc cgcccgaaaa aaagtactcc ttctgggagt aaggaggctc 60  
 aacttagaaa acatattgat gccacgttgg gtagtgga aa tctgaggaa gcagtaaagc 120  
 tacctcctgg ggaggattta aatgagtggc tagctgtcaa cactgttgat ttcttcaacc 180  
 aggtgaatct gctttatggg acccttacag agttctgtac tcctgagaat tgtcggacga 240  
 tgtctgc 247

<210> 33185

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893070H1

<400> 33185

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 agcttcctga tgggcaagtt atcaccattg gagctgagag attccgttgc cctgaagttc 120  
 ttttccagcc ttctatgatt ggaatggaag ctgctggaat tcacgagacc acctacaact 180  
 ccatcatgaa gtgtgatgtg gatattagga aggatctgta tggtaacatt gttcttagtg 240  
 gtgggtca 248

<210> 33186

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700893071H1

<400> 33186

ggcgtgtaat aaagggcaac atgtgagaaa ggcaaagaag aagcaggtga aagacaagtt 60  
 ggatagactg aaacaggctg aaaagaaaaa gaggcgcttg gaaaaagctc tagctacttc 120  
 tgctgccatc atttccgaac tggagaaaaa gaagcagaaa aagaaagaag agcaacaaag 180  
 actcaatgaa gagggtgccg caattgctga agcagtggct ctgcatgttc tacttggcga 240  
 agactcaga 249

<210> 33187

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893074H1

<400> 33187

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 tctttcaatc tcttttcgcg atgctcgtgt tttcactgca ccaaaatgct ctcccaccac 120  
 tcactttcct catcggaatt tggttccaac tcgagcatca ttcacgctg gttccccact 180  
 gttgattcga agaaatcatg gaaggaatgg tgcattgcaa gcaatgcctg tttcaataag 240  
 atgtg 245

<210> 33188  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893077H1

<400> 33188

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 ccctcaccaa agaagaacca aaacaatggc ggatcaactc accgatgaac agatctccga 120  
 gttcaaggaa gccttcagct tgttcgataa ggacggcgat ggttgcatca caaccaagga 180  
 gcttggaact gttatgcgtt cattggggca aaaccaact gaggcagaac tccaggacat 240  
 gatcaat 247

<210> 33189  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893081H1

<400> 33189

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 tggatgatga gatgatgatg gtgaaggaga tgatgattat tagagtgtct gaaatatcgt 120  
 gtgtttgatg tctacttttt cgtcttctgt cggacatgtg tggtttttga atgatgattg 180

ttatcaaata tatgtgctat gtatagcaca gaagtttcta t 221

<210> 33190  
<211> 104  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893082H1

<400> 33190

gactcagctc acgttttggtt tggcagtgct cttacctcca acttttgtat tcttcttttc 60

cttttctatt ctttctctct ccattcttcc tccttcacaca caac 104

<210> 33191  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893084H1

<400> 33191

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atgccgggca accgctacta cggcgggaat gaatacatcg accagatcga aaacctctgc 180

cgctcacgcy cctccaagc cttccacctc gacgcccaca cataaagcgt caacgtccag 240

ccctact 247

<210> 33192  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893085H1

<400> 33192

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ttgagggatg cctacaagaa taagaagtac ttgcctctcg atctccgccc taagaagacc 120

agggctattc gcaggaggct tactaagcac caggcatcat tgaagacaga gagggagaag 180

aagaaagagt tatatttccc actaaggaaa tatgctat 218

<210> 33193  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893041H1

<400> 33193

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 ccaacttgat acctctgatt ctttctttgc ttagaattcc acagaatatg gagactattc 120  
 ttttcaatca ctccccacct ttggaattca agggtttgag caaggaggag gaagactcat 180  
 tgctagggca agtggaataa tggaggtaca tgacatgctt cacggactcc gtggccttga 240  
 aagctgtcat aa 252

<210> 33194  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892991H1

<400> 33194

agagaagaaa ctttcgaacc caatgaggga gataaaagtg cagaagctcg tcctcaatat 60  
 ctctgttggc gagagtggag atcgtctcac cagagcctcc aaggtgttgg aacaacttag 120  
 tggccaaacc ccagtgtttt ccaaagcaag gtacactgtt cgttcctttg ggattagaag 180  
 aatgagaag attgcatgct atgtcactgt cagaggtgac acagcaatgc aacttttggg 240  
 gagtggtttg a 251

<210> 33195  
 <211> 205  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892993H1

<400> 33195

gagcaccata ccaaaccaca ttgtttgcaa ggcacaaaag caggttgtcc aagagggtga 60  
 ggacactact aacattgtct ctgcgaggtt ggccctcact gttctcattg gtgctgctgc 120

tgttggctct aaggttgac ctgctgatgc tgcctatgga gaagctgccca atgtgtttgg 180  
 aaagccaaag acaaactg acttc 205

<210> 33196  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892994H1

<400> 33196

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 tggacttcgc ttctgttcac atgta 85

<210> 33197  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892996H1

<400> 33197

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 ctccagcccc accgtattcg ctccgtcgtc gccggcagca gaaactccct cgccatcgct 120  
 gacgacggca aattgttcac ttgggggttg aaccaaaggg ccacacttgg gcaccctgct 180  
 gagaccaagt ctgagaacaa gactgagaac actcccagcc aggtcaaggc tctttccagt 240  
 gttaaaattg ttca 254

<210> 33198  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893002H1

<400> 33198

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 agaagtaaaa tatgagcagg ccaggagact ggaattgcag gtcatgccag cacctgaact 120  
 ttcagagaag agattcatgc cagcgatgtg gggacgcaaa atatggagat agagttgatt 180



cggctcgagc agttcttaat tgtttcaacc tcttcttact tacatgacaa gaaaaataat 60  
 ggggtactctc acctcaaaca taaaccttag ccacaatac aatgttccca aagactatcc 120  
 accccatggg tctgtagttg aggaaatata agggcttatt agagtacaca aacatggata 180  
 cgtggaacga ccacaagttg ttccatgtgt cactgctagt agtaaaatga gtccagaact 240  
 aaatgtgaca tcaagaga 258

<210> 33202  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893010H1

<400> 33202

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 ttgggaccat gtttgaactt gcaagcatgt ggataaccaa aggagtccta tgcttgcag 120  
 gttgtatttt gcaattgtaa atatttgta tgatgggggg ggggcgggtgc ggtccggtct 180  
 caagtgaatg ggtgtgtttc ttgacctaat ggggggttca tggaaactgt gaattttag 240  
 aataatta 248

<210> 33203  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893011H1

<400> 33203

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 ccattccatc cattcacctt gttctatgt catctccagc accccttgat tcattcatc 120  
 aaaagccaca aacttgaatt gatgatgggg tacctctacc tttcttgag agccgaatcc 180  
 gctgtctcaa cctccaattc ggtgtcctct tccaaagaga aaagcagcag catcaagatc 240  
 caagagtttc tgtac 255

<210> 33204  
 <211> 254  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700893013H1

<400> 33204

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gcaccaccct ctcttttctt cttcttcttc ttctttctct tcttcaaaca ccttcaccat 120  
ttgcatacca cttagctcca aaaacccatt tctgtttctt tctggtgatt tgatggatcc 180  
gcagatctaa tgatttcaca cactttcttc actacggatc atctacttct tcatctgggg 240  
cacccaatag ctct 254

<210> 33205

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700893014H1

<400> 33205

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cgagggtactg aacaaaacca ggggtacttt ttggtttctg cttttttctt tgcaaagctt 120  
gtggagtgcc tgaccogaag gcattgggtc tttaggttgc agcaagttgg actccgaatc 180  
cgagcgctgc ttgtcacaat gatctataat aaggctctga ccctttcttg tcaatcaaag 240  
cagggtcaca cttctgg 257

<210> 33206

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700893017H1

<400> 33206

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aaattatgat ataagagaac aaaaactccc ccttaaagcag ataaggtata tataagccac 120  
ccttcagagc aatttggtcca tcttcttcaa tttattagca gaagatgtgg tgcattagat 180  
taccttagtc tttgtcctag tgtcttccac aacaacttgg acatacgttt ccaaattattc 240

005113-03200  
0022E0-ETFE60

acataagaga agaacaatag ttctct

266

<210> 33207  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893021H1

<400> 33207

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agcataacaa tggtatcccc aacggacact tccgtaagca ctggcagaac tatgtgaaga 120  
cctgggtcaa tcagccagca cggaagacaa gaagacgggt ggctcgtcag aagaaagctg 180  
tgaagatttt cccagacct acagctggac ctcttagacc cattgtacat ggtcaaactt 240  
tgaaatacaa catga 255

<210> 33208  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893026H1

<400> 33208

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tgctttcgcc ctcttcgtcg cgtctccgt cggcgccaac atctccggcg gccacgtcaa 120  
ccccgccgtc accttcggcg ccttcgtggg cggcaacatc accttactcc gcggcatcgt 180  
ctacgtcatc gccagctcc tcggctccat cgtggcctcc atctctctcg ccttcgtcac 240  
tgctccccct gt 252

<210> 33209  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893027H1

<400> 33209

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ctgctcttct tctacctttc aactttttaa agtataaaaa tggcagagac attcctat 120  
 acctcagagt cgggtgaacga gggacaccct gacaagctct gcgaccaa at ctccgatgct 180  
 gtcctcgacg cttgcctcga gcaggacca gacagcaaag ttgcctgcga aacatgcacc 240  
 aaaaccaact t 251

<210> 33210  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893028H1

<400> 33210

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 gtggatttgg gatccactgc aaatgcatca atctcaacca ttagtggtat tgtctatttc 120  
 tgtttctttg tcatgggatt tggaccaatt cctaataatac tttgtgcaga gatcttcccc 180  
 actcgagtgc gtggtctctg cattgctatt tgtgccctta ccttttggat ctgtgatatc 240  
 attgtca 247

<210> 33211  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893029H1

<400> 33211

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 gacaatcctg atagtcttcc tatgccaata gttctaatag atcaagaatc agattctgaa 120  
 gcaacaattg tgcagcttag ctttgggaat cgccttggag ctcttcttga cacgatgtaa 180  
 gcattaaaag atttgggatt ggatgtttca aagggaactg tctccacaga gggattagtc 240  
 aagcaaacia 250

<210> 33212  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893030H1

<400> 33212

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tccagatgag cttcttcatg ctgctacaga acctaagtct ttgtaggta tgcaatagta 120  
aaaacaatta tttgggttgt gcttttagcat tcttcccaga gtattttaga ttttaactgta 180  
cactatgtct cacttggta gagaccgatg agatattaac aacggatgtt ttagaagggtg 240  
aaattttatt ttgta 255

<210> 33213

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700893031H1

<400> 33213

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cactgacttc attcgaaata agttagtttt atccattcct aattatgttc tgtcttgtct 180  
ggttttctagt acttgggatg aagttgttgt gctggcatca tctgatttgt cattacaaat 240  
aaggattcat gcgatg 256

<210> 33214

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700893033H1

<400> 33214

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ttatttgagc catgttttat attgctgcta attactttct atgtgccctt tttcttaatt 180  
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tcgacaaaa taatc 255

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 <213> Glycine max

<223> Clone ID: 700893036H1

<400> 33215

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 ctaattcaag tacttgatga ttcggatgat gagagcatac agtggttaat taagactgag 180  
 gtcacaaaat ggagccaaaa gggaatcaac ataatctaca ggcatcgctt agtcaggacg 240  
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<210> 33216  
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 <213> Glycine max

<223> Clone ID: 700893037H1

<400> 33216

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 tcaaaatgct tccgatcgct tgctagggtt ttccctctcc caaatctcct cctcggaag 180  
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<210> 33217  
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 <213> Glycine max

<223> Clone ID: 700893038H1

<400> 33217

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cggcaggcaa ttgaacgtct ttaagcaatg ggtcttgatc gtgcaatcgt attggaggtg 180  
 tacttcgctt gtcacatgaa tgtggtattg gctgccaaact accttttgga tcacatgcat 240  
 gagttcgagg aac 253

<210> 33218  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893040H1

<400> 33218

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 agatcatcac ccctaactac taccaaggca aagagagagc catgcttctt cctaattgcc 180  
 tcttccgaat ggggggtgct gctattctct tatccaaccg aacctccgaa cgcaggagag 240  
 ccaagtacag gtt 253

<210> 33219  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892990H1

<400> 33219

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 gaggaacatt gttgaacagg ctgcagtcag agatgttcag gaggcttgtg tctatgaaca 180  
 atacacgctt ccgaagcttt atgtgaagat gcagtattgt gtttctctgtg ctatccactc 240  
 tcatgttgtg 250

<210> 33220  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892942H1

<400> 33220

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 cgacctcccc ggtgtcgcca ccgcccgcga ccgaccgtac ggactcttct ccggccactc 180  
 ctccgacagc gagtctctga tcggaacccc tgacgacagc gatgacgacg aaaacgatgt 240  
 cgtttcgtcc aaaagaaa 258.

<210> 33221

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892943H1

<400> 33221

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 atacgacaaa gtattgctga agagtatccg ggccttgaac ctgttttgga tgatatactt 180  
 cccaagaagt cccctcttat agttgctaaa tgtcagaacc atctcaatct ggttcttctg 240  
 aacaacgtgc ctttggtttt 260

<210> 33222

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700892945H1

<400> 33222

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<210> 33223

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892946H1

<400> 33223

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 ttggccacaa gagccttctc cagagtgatg ctctttacca gtatattctg gagaccagtg 180  
 tctacccaag agaacctgaa tccatgaaag aactgagaga gttgacagca aaacacccat 240  
 gggacatcat gacaacctct 260

<210> 33224

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700892948H1

<400> 33224

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 tgagctgaag gagaagacag acaactttgg ttcaaaggca ttaatagggtg aaggatcgta 180  
 tggaagggtg tattatgcaa ccttaaaciaa tggaaaagca gtggctgtga aaaagcttga 240  
 tgtttcatct gaacctgaat c 261

<210> 33225

<211> 133

<212> DNA

<213> Glycine max

<223> Clone ID: 700892949H1

<400> 33225

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 gtatagggag ctgtaatttg atgtattatt ccagtagatt gaaaataaac tggatcataa 120  
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<210> 33226

<211> 135

<212> DNA

<213> Glycine max



<223> Clone ID: 700892950H1

<400> 33226

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agaagtatat atagtttata agagatcata gcccttattt cttataaact atatatactt 120  
ctaataacta attca 135

<210> 33227  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892951H1

<400> 33227

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ttttggagtg gttcttcttg agcttataag tggtcggcaa cccatcccta aatctgcagg 120  
caaagaagaa agtcttggtta tatgggcaac ttcacgctta caggatagta ggcgagcatt 180  
aacggagttg gctgatccac aattgaacgg gaacttcctt gaagaagagc tgcagataat 240  
ggcatactta gcaaa 255

<210> 33228  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892952H1

<400> 33228

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aaatcaaagg gtgtgcaact gacacgcggc gacggctaata cgaatgaaac attttagatt 180  
agatacgtag tgctgtaggg aatccgaaac cggcacgcgg agacgtcacg tgcgtcgttt 240  
aaccgttttg gac 253

<210> 33229  
<211> 255  
<212> DNA

<213> Glycine max

<223> Clone ID: 700892953H1

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agactctgtt gcactctcaa tgaaattaag gttccttgga agaagagaac caagccaaca 120  
caaagctatc ggatatagct gacttggttg aaaaaaaaaat aattaagaac agcaaagctt 180  
ggcccttgga aaggccaagc ccaaacgaac catcttctta acttggggccc aagacgggct 240  
aagtaaaagt acaga 255

<210> 33230

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700892958H1

<400> 33230

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gttgacagttg cagagacatc atcaccaata ccaagggagg tgctaatttg atctcaccgc 120  
tcccacgatt cttctcgaaa tgttccccct atgttttgaa agttggaata ccagagtttc 180  
taaacgggat tgggaagggg gttgagtcac acgttcctaa gcttgaatct gaaatcggtg 240  
atttccagaa acttctcg 258

<210> 33231

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892959H1

<400> 33231

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gtgttcactg ctttgtgcca agggaagatc attgatccac ttttggaatg ccttggggag 180  
tggaatgggg cacctcttcc aatatgttag ttttcttat tttctgtttt cttgaagagt 240

ggttcctttc ct

252

<210> 33232  
 <211> 84  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892962H1

<400> 33232

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cctcctcgcc gccaccgct ccgc 84

<210> 33233  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892963H1

<400> 33233

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cccatatgtc taccctgacc cagagagccg cagattgcgc gcagtcttgc ccatgattca 180

ggccttgaag ctgaatatat tcttgcaggg tgtggtgcag atgagcttat tgatttgatc 240

atgcgttggtg tgctggatc 259

<210> 33234  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892964H1

<400> 33234

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gatctcatga tagcatggtg actctagaga acagagtgcg aggtcttgag agaattgttg 180

aagacatgtc acgagattta tccatatcat caggtcgtag aaactttgca ggatttgaag 240

gatcatctaa taggcctt

258

<210> 33235  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892965H1  
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 cagcacatta ttccccaggt tttggacatg gttactgac cacattatct gtatcggatg 180  
 acaatcttac aagcaatttc tctactagct cctgttctgg gctcggagat tacttcttca 240  
 aaactg 246

<210> 33236  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892966H1  
 <400> 33236

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 gaagtaggca tggaaagttg gtgttctgac tgca 94

<210> 33237  
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 <223> Clone ID: 700892967H1  
 <400> 33237

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 acctcattct tatttgttat attaaattaa attgatccag gggaaatcag aaatactctg 180  
 attgacttat atatggatct tattaattga aacgaaattg agttgtctgt agcgacgatg 240

agttgctttt cg

252

<210> 33238  
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 <213> Glycine max

<223> Clone ID: 700892968H1

<400> 33238

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 tagaaaatgg taaaaaaata gcagtgaaga gaatggaatg tggagctgtt agcagtagag 180  
 cactggagga gtttcaagct gaaatagctg ttctttccaa ggtccggcac cggcatttgg 240  
 tatccctact a 251

<210> 33239  
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<223> Clone ID: 700892970H1

<400> 33239

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 ttttgacttt gagactctgc ttgggggtgct acttacgaat gttttcccgg aaaaacgtaa 180  
 atttcttcta atgctttatg aaaagaataa cgaacaagtt caatgtatac cgcctttata 240  
 aaataataac aag 253

<210> 33240  
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<223> Clone ID: 700892972H1

<400> 33240

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 ctggaccagc ttctgacgag gaggatgaag tccatgtgag acaaaaagt accgaggtgg 180  
 accctctgga agaagccaat ttcgatcagg agctcaaggc tgtagtacag gagagtatgg 240  
 aacagcgaag g 251

<210> 33241  
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<223> Clone ID: 700892973H1

<400> 33241

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 ggcttttcgc caagaaggaa atgcgaattc tgatgggtggg tctcgatgca gctggtaaga 180  
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 tcaatgtgga gac 253

<210> 33242  
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<223> Clone ID: 700892974H1

<400> 33242

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 ctcttaa 127

<210> 33243  
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 <213> Glycine max

<223> Clone ID: 700892977H1

<400> 33243

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 ggttacaagg aatttgagat ggatgccgtg ggaagttgag gggaagtggg ttgttaaagg 180  
 agcagttgat gtagacattg gtgcaaact tctgctgag 219

<210> 33244  
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 <223> Clone ID: 700892980H1  
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 gaagaagaag ctcttttggc cctatgtcct caactattcc ttgtcttctc ctcttttgt 180  
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 ggtttgacaa tactgag 257

<210> 33245  
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 <213> Glycine max  
 <223> Clone ID: 700892981H1  
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 acagttcttt tctgaagctg atgcaccggc tctccaccg gccttgcttc catcttggt 180  
 ttccaattcc aatggcactg cacctgtgag gccaccttcc ctttctgtga ctcttagtct 240  
 ttctccctcg 250

<210> 33246  
 <211> 79  
 <212> DNA  
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<223> Clone ID: 700892983H1

<400> 33246

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<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700892984H1

<400> 33247

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tggtgttgag ccttataacg ctactctctc tggtcaccag ttggtggaga atgctgatta 120

gtgtatgggtg ctggataatg aggcgctcta cgatatctgc ttcaggactc tcaagttgac 180

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<210> 33248

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700892941H1

<400> 33248

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gcacttcttc ttctggcgga ggtggggccc atggctgagg ctgtgacatg caccacaaca 120

gagttgagtc cgtgtcttcc agcaatcact tccggtgcta aaccttccaa tgcttggtgc 180

acgaagctga agcagcaaaa accatgctta tgtggctacc tcaaaaacgc tagcttgaag 240

cagtatgtta actctcc 257

<210> 33249

<211> 236

<212> DNA

<213> Glycine max



<223> Clone ID: 700892893H1

<400> 33249

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cttccgttac aaggaaattg agaatggaat gctgtgggaa gttgagggga agtgggttgt 180  
taaaggagca gttgatgtag acattggtgc aaacccttct gctgagggtg gaggag 236

<210> 33250

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700892894H1

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ccaaagaaag gtgcgaaagg tggagttgta gcagcaaaga agaaggttca ggagaaggta 120  
acgaaccctt tggtcgagaa gcgtccgaag cagttcggga tcggaggcgc gctgccgccg 180  
aagcgggacc tgacgcgctt cgtgaagtgg ccgaagaacg tccaaatcca acgca 235

<210> 33251

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700892895H1

<400> 33251

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gaaaaatgtc tctggtggcg aacgaggatt tccagcacat tctgctgtg ctgaacacca 120  
acgtggatgg gaagcagaag ataatgttcg caatgacctc catcaagggt attggaagga 180  
gattcgccaa catcgcttgc aagaaggctg atgttgacat gaacaaaagg gctggtg 237

<210> 33252

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892896H1

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 gctgctgttg ccgccatcaa gaccaagagg accattcagt ttgtggattg gtgccctact 180  
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<210> 33253

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700892904H1

<400> 33253

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<210> 33254

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700892905H1

<400> 33254

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<210> 33255

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700892906H1

<400> 33255

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gagagagaga gaacaaagac tcatgtggtg ctggaaagga gacggaggct agaagaagaa 120

g 121

<210> 33256

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892907H1

<400> 33256

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aagagaatcg gctcgggtaa atcccagata ctggttccgg ccaatattcc agattcatct 120

gcttctgcct ccagtttctt gtcccattat gtctccaaga aaaaccactt tgcctattct 180

tgttactggt agttcgaagt gaagacattc ttagcatcca gtgggtaatg ttgtgtacca 240

attgtactga atgatgcttt cc 262

<210> 33257

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892908H1

<400> 33257

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ttcaattcga cactttcctc gcttcaaaga ttaagcgaac aatatgggtg tccttgctgc 120

atccattgtg agcaaactcg gcaaagtgc agtttctaga cagtttgtgg atatgactcg 180

cataagaatt gagggctctc tagcagcatt tccaagttg gtagggactg gaaaacagca 240

cacgtatggt gaaactgag 259

<210> 33258

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892909H1

<400> 33258

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 tccactggtg aagttgaagc cataaaagct aaaatcattg ctcaccctca gtactctaata 180  
 cttttagaag cctacatgga ttgtcaaaag ataggagcta caccgaagt ggtggcgcgt 240  
 atggttgccg ctaagcaaga gt 262

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<223> Clone ID: 700892910H1

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 ccctacgcca accaaagagg accctcttca ccacgaaggc agtgtcaaac tccaagcctc 180  
 aaatcaatgc atctttgaag gagaaggcag ttgccggact cacagcagct tctgtgacag 240  
 catctatggt ggttccgga 259

<210> 33260  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892911H1

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 gggactgtta tgcgttcggt gggtcagaat ccaacagagg ctgagctcca agacatgatc 180  
 aatgaagtag atgctgatgg gaatggcacc attgacttcc ctgagttctt gaacctcatg 240  
 gctagaaaga tgaaggacac tgat 264

<210> 33261  
 <211> 263  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700892912H1

<400> 33261

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ccagccattt ctgatgaagc agtcatcaag gcagtagaga ctgcaacaaa agaactaaac 120  
ttgacaagca agttgatgat tagtagagcc tatcatgatt cattgtttat ggccagggtg 180  
tctccaatgg gcatgatttt cattccatgt tacaaagggg acagccataa gcctgaagag 240  
tttgccacca ttgaagatat gtc 263

<210> 33262

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700892914H1

<400> 33262

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tcaactcttgg tcttgcgaga gaaagccatg ccagagacga agatttttgg catgctgttt 120  
ggccaaacac tccattcca agttcattgc gagatcttct aaagcctggc cctgcaagtg 180  
ttgaaatcga tgatcaccct atgcaaattg aagaaacaca gtacccgaaa accttctgct 240  
ataaagaaga ccttcatcca ggca 264

<210> 33263

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 700892915H1

<400> 33263

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tgttgtcgga gaaggtgaca ct 82

<210> 33264

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700892917H1

<400> 33264

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tagtagaaaa tcatcatcat cgtatccatt g 91

<210> 33265

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892923H1

<400> 33265

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gtagctgttg ttgtgttcct tatattattg ctttggcagc gtcacagatt tttcttcgct 120

tcatctccgt cgtctccatc cacttcatta ctgctcttcg attctatcaa ttcaaactca 180

aactccagaa gcagaacctc aaattttgtg acagatgcag atttgaaatt tttaatggag 240

attttggatg agaagctcg 259

<210> 33266

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892925H1

<400> 33266

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tgggtaatct gaagtgcagc gatggcggat ggattgcact cgcggcatcc atcagtagtt 120

cagaagttat ctggacagtc ttatttgttg tctaggcttg cccctactca ctcaagaaac 180

tattccacaa ctggtagtta cctcaatgga ggcttgcagt cttcgggttt ggttccagtc 240

atggcacatg caccggctg 259

<210> 33267

<211> 260

<212> DNA

<213> Glycine max  
 <223> Clone ID: 700892926H1  
 <400> 33267  
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 tttccactgt gtctacaaaa cacaaaaaac acaagttttt gagcacaatg gaatctgaaa 120  
 acgggggttg tgtggaggaa gagaaacgtg tcattggggt aacaaccaag gtggcgaatg 180  
 taaagaaaga agttgaaaat gactgcaatg gtgcagaaat tatgcccaag aatgaagtat 240  
 ctaaaccac agtagtggt 260

<210> 33268  
 <211> 91  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892927H1  
 <400> 33268  
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 aaattaatga ttgtgatgct attgtagttt g 91

<210> 33269  
 <211> 153  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892929H1  
 <400> 33269  
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 attttttcct ttagtaaatt aaaatcatag tacttcgatt tatctgtaaa aatcataatg 120  
 gaactcaaat taaatctcct atgggtctcaa tat 153

<210> 33270  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892931H1

<400> 33270

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actccctttg agcaatgccg tgactcttgg aggggttgca tttcccgcca tggctccggt 120  
gatctccggc actcttttga cgaatcctct ggcagcttct gctcagcttc cgcaacatgc 180  
agctgcagct gctgttgccg cgcaaaagt gaatcaacat aagatccaag atgaattaat 240  
aattgctcga gaaattgtca taaat 265

<210> 33271

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892933H1

<400> 33271

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cagccaacct ttttactcag catgtgccat ctgaatgtga atcaatcctt caacttggtc 120  
tttcgggtgt aacaaatgag gcatcaagtg tgcttgactg ctcagggttca actgagactg 180  
atgtgaatat gtcatgtttc tcaagccaaa cttcttcaga aaattattat tcaaggattc 240  
ctgttggtga tgagggttc 259

<210> 33272

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700892934H1

<400> 33272

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tgattctctc tctcgccatt ttcgccattc 90

<210> 33273

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892936H1



<400> 33273

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 tggacacatg atgaggatct atatgatgtt agctactctg aaatgtcctt tggagttcac 180  
 tgggtgccctt ttggtaactt gaccggattg cttcatcttt cgaggaaggg gattttgctt 240  
 caattgcata tcatga 256

<210> 33274

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892938H1

<400> 33274

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 gctcgagctc ttacagttcc acgttatttc agactccgtg tctagctcca actttgatac 180  
 actgaccaac cccgtgagaa cactggcagg ggctaaacct ggaaaggtgg aacttaatgt 240  
 gataagttat ggagggga 257

<210> 33275

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892939H1

<400> 33275

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 tttcctttca ttttccctca ctttctcgct ccccaaacgc ccctctctct cctccaatgg 120  
 ccgaccagct caccgacgac cagatcgccg agttcaagga ggccttcagc ctcttcgaca 180  
 aggacggcga tggttgcatt actaccaagg aacttgggac tgttatgagg tcacttggtc 240  
 aaaaccaac tgaggc 256

<210> 33276  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892892H1

<400> 33276

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 cgctcctcct tcttcttctc tctccggtgg tggtgactcg ccggaagaca ccaacttcca 120  
 ccttcaacgc cgctctggt gaacaccctt ctcaaaatct cacctgaccc aattccactt 180  
 tctcctttct cttctcaatt tcccatctgg gtatccctgt ttctcaaaa gttct 235

<210> 33277  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892940H1

<400> 33277

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 aattttcgaa aagagaagag agaggaacaa caacaccgt tgttgaatct tcaagctgaa 120  
 tcaaatcata tagagagaga aagagagaga cccggatagg aaaatagcgt ttagagagag 180  
 aaaggtgaag tgaggttggt taaagtttgg gtcttggtgg gtgaaagga aagatgacgg 240  
 atgtggtact gcatatat 258

<210> 33278  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892854H1

<400> 33278

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 tgttctagta gttctcaggg accaccttca cctggctact accccagttc caaaattagt 180  
 cctgttagtt tttatcaagg gtttagaaac ctatggggac ctcagcatca gaggcta 237

<210> 33279  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892855H1

<400> 33279

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 ctgcgagaag tgtggattca ccaaaactgt ccaagggtaa gcagcctctc ctgccaccaa 180  
 ctagaaccaa agtatcaacc caaagtcgct atcattttga tgctcccgac aaagcattg 239

<210> 33280  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892856H1

<400> 33280

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 tcgcttttgt gttcagaccg gatcctagct ccgcatcgca aacatgtcga gcaagcaatg 120  
 tggaaaagct aagcctttgc aagaaccgga gtctgataac aagggttacg acgagaatga 180  
 tgtggctaac attcagcagg aaaaggaaga gga 213

<210> 33281  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892859H1

<400> 33281

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 atagaggcaa tagcaaagtc atatggagcc aggggtgttg agtactcaga acaggctgag 120  
 aagcagattg agatgtatag caagcaagga ttttcaggctc ttccaatctg catggctaag 180  
 actcagtatt ctttctcaga caatgctgca gcaaaggag ctccaagt 228

<210> 33282  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892860H1

<400> 33282

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 acctcatctc gtctcacctc agggtttgtg aaatcgccag tgagtgctag gaatcccttg 120  
 aggcaagctg tggcaatggg aaatgggagg gttacatgct tcgagaggaa ttggctgcgg 180  
 gcagattaca gtgtgattgg gtttgggttg attgggtggc tagcaccctc aagcgta 237

<210> 33283  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892861H1

<400> 33283

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 cgacttcaaa tatatatatc agatgcagga gtacttgag tatgctatgg ccttttccgt 180  
 cttgccatgg caaaaggact tgcctgggtg gtgtgtgttt atggagtcc attgcta 237

<210> 33284  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892862H1

<400> 33284

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 tttcaactcc tgaggaagca tctcgtgctc tcggtgagat gaatggtaaa atgattgctg 120  
 gaaaacctct gtacgttgcc cttgcacaga gaaaagaaga cagaagagca aggttacagg 180  
 ctcagttttc acagatgagg cctgttgcaa taacgccttc tggaataacc ccgtatgcc 239

<210> 33285  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892864H1

<400> 33285

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 accgggccaa gtatgaggcc actgcacgca gctggaccca gaagtatgcc atgggctgat 180  
 ttgtgtttgg ataatgtata ttgaaatgga ttgcatctat gaaaactttt gtgggtttgc 240  
 ttttcacttc ctgttttctg g 261

<210> 33286  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892866H1

<400> 33286

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 gactgaggcc gcgagcctgc aagcacttat acgaagtccc gcagttttca tggagtctct 120  
 gcagaggagc gtctacactg gcgttctttc ttgggttaaac taggagctga caatcttaag 180  
 ggtgtaaaaa atgaagaact cctagttgct tgccataatg tcagaagtga tctttgtga 239

<210> 33287  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892867H1

<400> 33287

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 gagaaggtat tgtccagcga caatccaaga tatggatata atgctgccac cggaaaatat 180

gaagatttga tgtctgctgg gatcattgat ccaacaaagg tggtcagatg ttgcctg 237

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<223> Clone ID: 700892868H1

<400> 33288

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gccaccgtcc ccgcccacaa catcacccgc atgctggccg cacaccccggttcttccacc 120

ttcaaccact acctctccgt caccacacctg gccgaagaga tcaaccgccg ccagaccatc 180

accgtcctgg cctcgcacaa tgccgccatg tcttccctcc tcgacaagca gctct 235

<210> 33289

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700892871H1

<400> 33289

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aaagtaaccc ctctcaacaa caacatcaaa gcgactgaga ctccccaaaa tgaaggccaa 180

gtaaacaagc cagaacaaca accaacattc attcttgaaa ctgaaaacag ttatggc 237

<210> 33290

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<212> DNA

<213> Glycine max

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<223> Clone ID: 700892873H1

<400> 33290

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tcctcccttc gtagatctca atcgaagccc tcaatttccg catcgaaatc gcccttcacg 120

tcatccaacc gtgnctcacc gcacggatac ttgctgaacc gcgtcgccga gtacgccacc 180  
gccgcggctg ctgctaccat cccacatgcc tgattgttcc ggggaagaag gagct 235

<210> 33291  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892874H1

<400> 33291

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attcaaaggc attgtaagga caatcctgca cattgttggc atccatcttc catcatctc 180  
cacttcaccc tcttcaccag atccctccca agccgcacct gagtcatttg aattgca 237

<210> 33292  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892876H1

<400> 33292

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aaaaggaaaa atcgacgccg gcccttgact aagggttttg agagtacagc catggtgtca 180  
gttctgtca tttgtaatca gcttcccagt tcaagcagtt ctccactgtg tgggg 236

<210> 33293  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892879H1

<400> 33293

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aatggcaggg agcgtccca ttccacgca agagtctgtg tacatggcga acatggggga 120

ccaggccgag cgctacgagg agatggtgga tttcatggag aaggtctccg cctccgccga 180  
gagcgaggag ctgaccgtgg aggagcgcaa cctcctttcc ggagcttaaa agaaggt 237

<210> 33294  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892881H1  
  
<400> 33294

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ctgtaccacg agaggggttg ggatcactac gacaaccccc ggaacgttgg atcgttagac 180  
aagaacgacc cgagcgtggg gacgggtttg gtggggggcg cggcgtgcgg cgacgtgat 239

<210> 33295  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892882H1  
  
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gcctattggg gccactccgg agtatatggc tggtttctac atgctgcaaa gtgcaagctc 180  
ttttctgcct gttatggctt tggctcctca agagaaggaa cgtgtcattg atatgg 236

<210> 33296  
<211> 235  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892883H1  
  
<400> 33296

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aaagccatat gcaagagcat gtagcatcta tggcacgtca atatgttcgg agcattatat 120



catcggtcca aagggtagca ttagcacttt ctcttctca ttgagttca catgcagggc 180  
ttaggtcacc attgggtact cctgaagcgc aaacccttgc tcattggatt tgcaa 235

<210> 33297  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892884H1

<400> 33297

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ccatggcttc aaagctttta ctcatcactg tcttcgtttt tgatttgatt gcttttggac 120  
ttgccgtggc tgctgagcag agaagaagca ccgctagtgt tgtgacggac aatgaaaaga 180  
attataatta ctgtgtctat aactctgata tagcaactgg ctatggtggt gg 232

<210> 33298  
<211> 168  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892886H1

<400> 33298

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cagatggcgt ggagaaaagg gtgtgaggaa gtggctaatt cggagcctct gttccacacg 120  
atctacgctt gtgtcagcat gggcgtaag gacggctacg gctgcac 168

<210> 33299  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892887H1

<400> 33299

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cttcgccctc ctctctca cctacttcat ggtcgtctcc ggcattgttt acgacatcat 120  
cgtcgagccc cccggcatcg gctccactca ggaccctac accggcgccg tccgccccgt 180

cgtcttcatg tccggccgcg tcaacggcca gtacatcatc gagggcctct cctccgga 238

<210> 33300  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892888H1

<400> 33300

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 tgggtgtgctt gagcccttgt ctgtgtttgt tgacacttat ggcaactggga agatccctga 180  
 caaggaaatc ctcagcattg tgaaggagag ttttgacttc aggcctggca tgatc 235

<210> 33301  
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 <213> Glycine max

<223> Clone ID: 700892889H1

<400> 33301

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 gaattctgtt atctgcctgt tgaacaattc tctgtacata tttatggcta ctgtttggat 180  
 aaaaaaatgt acataaaaat ggcattgcaag aagttaaatt atgctttatt ttgcatgt 238

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 <213> Glycine max

<223> Clone ID: 700892890H1

<400> 33302

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 tttcgatctc actctcagaa gactgaagat ttggcttctt ttcctcgccg tcgattccac 180

gtcgaatcag gggctcgtga aaaagctctc ttggcagaag atgcaactct gaaa 234

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<223> Clone ID: 700892891H1

<400> 33303

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 ttggaagctg actttatcaa cccctatgat gctgcatact ggattaacta ctttatcggt 180  
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<210> 33304  
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 <213> Glycine max

<223> Clone ID: 700892848H1

<400> 33304

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 aagtagttca ttccccatta ctcaactcgt tgttttgaat tttatttggt gcttcgtttc 180  
 ccactatgaa agaaggtaaa tcagttaaac tcaaccatca acaaccgcac cagaacggtc 240

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892810H1

<400> 33305

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 taccctagaa gtcgaaagct ccgacaccat cgacaacgtc aaggctaaga ttcaggacaa 180

ggaggggaatc cccccagacc agcagaggct gatcttcgcc gggaagcagc tcgaggacgg 240

a 241

<210> 33306

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892812H1

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ccttttctca aagcaaaaaa aatcttcac gagagtttca aggttgagag tcctaacgtg 120

aagtacacag agactgagat tcagtccgtg tacaactatg aaaccactga acttgttcac 180

gagaacaata atggcactta tcagtgggtt gtcaagccca aaactgtcaa atatgaattt 240

a 241

<210> 33307

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892813H1

<400> 33307

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gttgcgggaa gcctcttaac cctggaggct caagggcctg tgcagttggt cttttcataa 120

tctgctgggt gtttttcac atagctgagg tgtgcttggt ggctggatca gtggaaaatg 180

cctatcacac caagtacagg accatcttcg gggagaatcc tccgtcttgc gaaacagtt 239

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892814H1

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gtactatata tctgccatta cttgagatct gatcatatcc ttcaataaag cagcaaagca 120  
gcaatgagat ccaaaacaac ccaattcaca tgtaccttca aggtagccct tctcagcctt 180  
gcgggttttct gcctcttcat cttggtattc aggtcatcca tattctcatt gtctcctcaa 240  
ct 242

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<211> 240  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700892815H1  
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ggaggttgag gagtatttttg ccaattacat agtcaatgac agtctgggaa taattgccaa 180  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700892816H1  
<400> 33310

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gcaaagaact caatttaatt agtctatttg taccaaaatg gcttctcaag tttgtgagac 120  
tttgactttc atcaacggtg atgatgggtt gaaaatcaac ggtgctcttc taatgtcatc 180  
attgatggaa gagccatcac caagtgatga gagtgatgat gatcgattgg atagcttgat 240  
t 241

<210> 33311  
<211> 248  
<212> DNA  
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<223> Clone ID: 700892817H1

<400> 33311

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 tccggttcga gccgattagg gagtcgatcg tgtcgcgcga gatgaccgc aggtacatga 180  
 ccgacatggt caccacgcc gacaccgacg tcgtcgtcgt cggcgcaggc tccgcgggtc 240  
 tctcgtgc 248

<210> 33312

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892821H1

<400> 33312

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 tagaatagta attttgatcc ataagcaaat tagacatgat atgctcattt acgttaatga 120  
 taactgacta ttgctaacta tgttttgctg tctaccttct cttccattcg ggtgacacag 180  
 cactgagatg cttactgggt aacactttat taagctctta aaagaagggt ggtcatggcc 240

<210> 33313

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892822H1

<400> 33313

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 tgaggacatg ttccaatggc aagcaaccat cattgggtcca aatgacagtc cctatgctgg 180  
 tgggtgttttc cttgtgacca tccatttccc tcccgattat cccttcaaac ctccaag 238

<210> 33314

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892824H1

<400> 33314

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ttatttttat atcttcatca agatgcgccg agggagaacc gccgccgccg ctgccgccgt 120
tgtggatccc acgccggacc aggccaagga gacgacgcgg ttcxgtggcg tgaggaagcg 180
gccgtggtgg cgattcgcgg cggagattcg agatccgtgg aataagcagc gcgtttggct 240
gg 242
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<210> 33315

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892825H1

<400> 33315

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agaatccgtg ggagatttgc aaggactgaa gagtctgatg tcaagagga atgaatgact 120
tataactgat ttagtaggaa gaaagtagag ttgagtagct atatctgac aagctatatg 180
gaaaaactca gcagtaatat gtgattagaa cttatgccgg ggnccctct atccttgagc 240
aga 243
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<210> 33316

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700892826H1

<400> 33316

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gcggattctt ctcgggagga gaacgtttac atggcgaaat tggcggacag gccgagcggt 120
acgaggagat ggttgagttc atggagaagg ttgcaaagac tgtggaggtt gaggagttga 180
cgggtggagga gaggaatctc ctctctgtgg cttacaagaa cgtgat 226
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<210> 33317  
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 <212> DNA  
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<223> Clone ID: 700892827H1

<400> 33317

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 ccaaggaacg tggcattggt tggaagactt gggcacccca gcttaagatc ttggctcatg 180  
 gagcaattgg acgggtgcatg agtcactgtg gctctggctc tgtgattgag aaggttcatt 240

<210> 33318  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892828H1

<400> 33318

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 aactcaaagg atgatcctgc caacgaggct gctaacttca ctgcccaggt tatcatcatg 120  
 aaccatcctg gtcagattgg aaatggctat gccctgttc ttgactgcca cacttcccac 180  
 attgctgtca agtttctga actcatgacc aagattgaca ggcgatctgg caaagagctt 240

<210> 33319  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892829H1

<400> 33319

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 gctagtgggg ggaaatttga caagaaattg gcagggtgaaa agcctcagaa acatgaagga 180  
 aaatatcgga agtttctgcc agtagtgga ggaaccggga taggattact ggagagggga 239



<210> 33320  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892832H1

<400> 33320

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 aagtcccaga agcagataaa accttgggct tggacatggc caagggcagc gcattctgca 120  
 agatgggtga aggttggaaca tgcatacataa ctaaaactga ggggcctgat gctggcaaag 180  
 ttttcgttaa atgtggtgaa aattgcacct gtaccattga gggcgaacag tgtcccaaga 240  
 attgaatttg cca 253

<210> 33321  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892833H1

<400> 33321

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 aaccccaaac tctcattctt caacggaaag cccgtcacat attcttcccg cgtcgcgccc 120  
 accaccaaat tatectcatc caaacaaggc acaatttcca tgtccctaac cccaccccc 180  
 tacgacctcc agtccttcaa attccagccc atcaaagaat ccacgtgtgc acgggaaatg 240  
 acgcg 245

<210> 33322  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892835H1

<400> 33322

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 agtgtattac aaaatatacg cttctgcaaa gagaggaggt gcagcgagtg gagcactgtt 180

ctggcagctt ctaacggagg gcatggagtc tttccaagac ggttacggaa tcattcttg 239

<210> 33323  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892836H1

<400> 33323

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gacacgtggg cggccatgcc ggataacaaa atggtcggaa aggccatcag ggatcccgag 120

aagttgaagg tcatagcgtc gaacccgagg cgctacacgg gccacccag ggtggggacc 180

atgcggggagc tgcttagggg gacacagtat gtacaggata atttctccaa ggtaacga 238

<210> 33324  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892837H1

<400> 33324

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ttttcttcaa tggaatcctt gaaacaagtg gacagcagat cttcaaagaa aaacaaaaaa 180

ttggaattca acagtagccg tgtctcacct gtcctaaatg gtgggttcaca gtggggag 238

<210> 33325  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892838H1

<400> 33325

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gtcgcgcaga gatgtgagct gatgtccatg tacgaccagt ggctagtaaa gcacggcaag 120

gtgtacaacg cgtacggaga gaaggagaag aggttccaga tcttcaagga caacctgcga 180

ttcatcgacg accacaactc ccaagaggac cgaacctaca agctcggact gaaccg 236

<210> 33326  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892839H1

<400> 33326

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 gggattatgt caagttcttg tgtggagagg gctatacaga tgaaatgctt cgagttctca 180  
 ctaaagatca tagtagatgc agcaaactg ctagaaagga agctgtatat gacctt 236

<210> 33327  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892840H1

<400> 33327

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 caaacaccaa caacagttcc agataatgaa acaaccgagg taatcaagac ccaggaaaca 180  
 accccggaac cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgaggtt 240

<210> 33328  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892841H1

<400> 33328

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 gcttccggag cctggatttc ggagagcgca acggctacct gaagggtgtc gtcactgacg 180

tcatccacga tcttggccgt ggcgcgctct cgctaagggt cgcttccgcc acccggtc 238

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<223> Clone ID: 700892845H1

<400> 33329

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tagtggtggt tatgacgatg acgggcgtgc taaaaggact ggaactttat ggagtgtgt 180

ggctcatatc atcacagcca ttatcggtgt ggttgttctg tcttttagctt ggagta 236

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892807H1

<400> 33330

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gttgtcatta atcatagcat gggaagaaag tgaaaaatca aaagctgaaa acaaggctca 180

caaaaagctt tcatcagttt ctgcatggga aaacagtaag aaagctgcag tggaggcg 238

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892847H1

<400> 33331

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actgaggggc ctgatgctgg caaagttttc gttaaattgt gtgaaaattg cacctgtacc 180

attgagggcg aacagtgtcc caagaattga atttgccacc tgatgttgtg agcagca 237

<210> 33332  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892748H1

<400> 33332

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gcagagactt atctttgcgg gtaaacaact tgag 94

<210> 33333  
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<212> DNA  
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<223> Clone ID: 700892749H1

<400> 33333

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gagaaaggag aattgctgct caggctcctc ctca 94

<210> 33334  
<211> 87  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892750H1

<400> 33334

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atTTTTTTgc tgttgcatTA tatgggg 87

<210> 33335  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892751H1

<400> 33335

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 accatggtgg caatatctgt gctaatacta agat 94

<210> 33336  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892752H1  
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<210> 33337  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892753H1  
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 tgctgttgct taattcaatt ttaaacaag aaaaagaaaa gaaaagagga ttaaagaatc 180  
 accaaagttc taagagcaga ggagattttt gactgagga gctaattcta atttcaatct 240  
 tattgtatta tatc 254

<210> 33338  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892754H1  
 <400> 33338

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 tacttctttc ttgcaagtt tacgtcttt 89

<210> 33339  
 <211> 99  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892755H1

<400> 33339

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<210> 33340  
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 <213> Glycine max

<223> Clone ID: 700892757H1

<400> 33340

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<210> 33341  
 <211> 98  
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 <213> Glycine max

<223> Clone ID: 700892761H1

<400> 33341

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<210> 33342  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892764H1

<400> 33342

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gagaataaat ttgtgaatgt gtggttagctc ctcgctaaca catatcttat agtgggttaa 180  
 tttatatgga tgagtgttag ctctcacta acacatcttg tagtggttta ataaatctgt 240  
 ggatga 246

<210> 33343  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892766H1  
 <400> 33343

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 aagatcggcg atggctgcct ccaaggatcg cgagaacttc gtctacatcg ccaagctcgc 180  
 cgaacaggcc gagcgatacg aagaagatgg tggatccatg atagacgttg cgaatctcga 240  
 c 241

<210> 33344  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892768H1  
 <400> 33344

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 aaccacaacc ctctcttcaa acccgaaact ctcatctttc cacggaaagc ccgttacata 120  
 ttcttccgc gtcgcacca ccaccaagtt attctcatgc caacaaggca caatctccat 180  
 gtcctaacc caacccccat acgacctcca atccttcaaa ttccaacca tcaaagaatc 240  
 catcgtctca cgcga 255

<210> 33345  
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 <223> Clone ID: 700892769H1





<210> 33349  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892775H1  
  
 <400> 33349  
  
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 caaatcttcc tacatatccg aatccgcttc gatccaatcc tgcttactcg gttgttaagc 180  
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 <213> Glycine max  
  
 <223> Clone ID: 700892776H1  
  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892778H1  
  
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 aagtcctgat gagaagctca atgcttgctt tgaaagcat 99  
  
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 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892779H1

<400> 33352

cctgcccac atcaaggttc ctctcattct tggatctgg ggaggcaaag gtcaaggaaa 60

atccttccaa tgcgagcttg tctttgccaa gatgggaatc a 101

<210> 33353

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700892780H1

<400> 33353

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tgatgggagt atttatgtta caggactttc catgtcaaag gccactgcca agaaaattgt 180

gaaagctgat gcttatgttg ctgcttggtga tgtccctgga attaagagat tacttccatc 240

agagtggagg gaa 253

<210> 33354

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892784H1

<400> 33354

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ttcactatctt cgattgacat cgccgaagaa ggtattgacg 100

<210> 33355

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892785H1

<400> 33355

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gaagccactg atgcacctga ggataaagcc atctcaactt 100

<210> 33356  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892788H1  
 <400> 33356

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 <213> Glycine max  
 <223> Clone ID: 700892789H1  
 <400> 33357

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 ggatgctact actacaacta atgcaccaca caccaccacg gccgcggagg gctacgccgg 120  
 cggcggtcac cgcctccatc accaccaact atacggcggc gaaggggtgc acgtgcaggc 180  
 ggaccctcac ctcaagtgtg tgcattcttg taaaagacat tactttgagg atgctactaa 240  
 cggatgatg 248

<210> 33358  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892746H1  
 <400> 33358

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 cttagagagt caagttttat gtctgaatta gacgatcaaa ttcttactgc cttcgatcct 180  
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gta

243

<210> 33359  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892790H1

<400> 33359

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 gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc 180  
 attttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcagaag 240  
 gagtgtac 248

<210> 33360  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892791H1

<400> 33360

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 attacaacag aaagaaaagg agctggaact tcttatccgt gatttggacg acaaagtctg 180  
 ttttgggcag aaagccattg aaaggccagg ttcacggca ggaaagtcgt ctactttttc 240  
 tgataag 247

<210> 33361  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892792H1

<400> 33361

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gcaacgctag aggcgccgac cttagggttc attttaagaa cactagggaa actgcctttg 120  
 caatcaggaa gttgcccttg gttaaagcta aaaggactt agaagatgtt cttgcgcaca 180  
 agcaggccat tccgttcaga cgtttctgtc gtagtggtcg aaggacagct caagcacaga 240  
 ataga 245

<210> 33362  
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 <212> DNA  
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<223> Clone ID: 700892793H1

<400> 33362

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 cataacttat aatagagtgt gaggcctaagc gggaagtcac tttaccatct gtaatctaca 180  
 tacaaaagat tttgcggcga aggccatttc ttatcaagaa tcttgaaaat gtcacgcgga 240  
 aattcctt 248

<210> 33363  
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 <213> Glycine max

<223> Clone ID: 700892794H1

<400> 33363

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 ggaggaggaa gaggaggaaa agaaaggga gagcaggagt aagagtgggtg gcagggtcaa 180  
 acctggttaag gatcagccga ctgagcgcgc tcctgaatgc aagcagcagt agtgtttggc 240  
 tgtgtaca 248

<210> 33364  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892796H1

<400> 33364

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cggtgtccac agcgtagagg agtggaagga acatctcaag 100

<210> 33365

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892802H1

<400> 33365

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aatttaagtg aagagagaat gatgatgaag tctgctatgt gtgcattggt gcttgtggca 120

ctggttgtgg ttgaagtggg gcccatggct gaggctgcgg tgacttgcaa cccaacacag 180

ttgactcctt gtcttcggc aattaattca ggttctgcac cttcgagtgc ttgttgccag 240

a 241

<210> 33366

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892804H1

<400> 33366

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cgagttacca gctccacgac cttgactcgg tcgagttgcc acccagcctc accgagttgg 180

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<210> 33367

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<223> Clone ID: 700892805H1

<400> 33367

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 catgggtgtt gctgatcaca gcaaaaacac cttcatggaa ttgaagcaga agaaggttca 180  
 tcgttatgtg atctttaagg tcgatgagaa gaaaaggag gttgtggttg agaagactgg 240  
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<210> 33368

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700892806H1

<400> 33368

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 aaaatataga tgtaat 136

<210> 33369

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700892688H1

<400> 33369

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 attgctgtta cttataacaa aaggagcat ggcaaagacg tagaactggg aaggagata 120  
 acctatgcat gagagttaat aacctgatga ctgaaaacac tgttttaccc aatttgagtt 180  
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<210> 33370

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700892689H1



<400> 33370

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 aggtatatta ggagagtaca cagcagtgct aacaagggtc acagagcgcc ttcttctctg 120  
 ccatggcata agttttcgtg gtctaaggag gaaccttcgt tttgcttcca caacctcttc 180  
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<210> 33371

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700892692H1

<400> 33371

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 aataacaggt gatgatgcca caaactgcta ctctgggcct ggattgtctg aaagatgcat 180  
 caagaggaaa aattactctg aaa 203

<210> 33372

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700892693H1

<400> 33372

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 catatttatc taatccaaat gaatatacta atgcaatgag gaatgctggt gatgctcaag 180  
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<210> 33373

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700892694H1

<400> 33373

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 atgtacatgg tcgtgttgat gacgctaaag ctttattgat tggatctcac atggtacatg 120  
 cataggctaa aatcaaaaga tctctcaata tgccacaata tgatcctact gggatcttgt 180  
 ataatgaagc cgaatgctac aaactgaaa 209

<210> 33374

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700892695H1

<400> 33374

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 acagtggacc tgatgatcat atatttgtat actatactga ccatggaggt ccaggggtgc 180  
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<210> 33375

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700892696H1

<400> 33375

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 atggctaaca tgtacatgtg gggtttcaag gagaagctgg agaacgcgct gggtttagatg 180  
 cagctgagga gttacatgaa tgggcattct cgccaa 216

<210> 33376

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700892702H1

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<210> 33377  
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<223> Clone ID: 700892705H1

<400> 33377  
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 gactgcttca gtcattgagga aatttgaaag tacaagagct ggtgctgggt cttccaaggc 180  
 ttcaaaggat agcttgactc ctctaagaac tccaactatg gcttccaagg agatgcaaaa 240  
 gc 242

<210> 33378  
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<223> Clone ID: 700892706H1

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 tagcagctgg ttcacaattc aaagcatcat ctgcgggtgt gattgctaaa ttctgtgcac 180  
 ttggaaatat gagcgtcgat ggatgggtaa taaaatagac ggttcaactt atttgaatgg 240  
 gctaatttga tcattc 256

<210> 33379  
 <211> 84  
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<223> Clone ID: 700892707H1

<400> 33379

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<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892709H1

<400> 33380

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ataggacagt taaaatgata gcttgcaaaa aggggttact 100

<210> 33381

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892710H1

<400> 33381

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tggtgggtgg ctactttttc gagtttggcg gttgtgtgtg ggtgctgatt caagttcgat 120

ggtggcgtgt gggtcgcccc ttcaccgtcg gcgctgacgt ggaccactac aagaccaccc 180

tgaccaccgc cctcgccgtg ttgcctgtcg cctcctcgct aaacaacgag gaagagaagg 240

tgtggtgcat cgcgacggg 259

<210> 33382

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892711H1

<400> 33382

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cgctgagaca aggaatatgg gtgatcggca agtagttgac caacaacaca tgggtgatcc 120

acaactgcc a tcttctcctc cctcaaagga tgatatgggt tcatgtgtta tggctttaga 180  
 ggctgctttg cttccctggt tgccagccag agaacttcaa gcaatagacc gttctcccca 240  
 cccctcacat caaattgatg 260

<210> 33383  
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 <212> DNA  
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<223> Clone ID: 700892713H1

<400> 33383

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<210> 33384  
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 <213> Glycine max

<223> Clone ID: 700892715H1

<400> 33384

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 ccaagtgcaa attccctcaa ggtttctttc accctaattgt gtatccatct ggaactgttt 180  
 gcttgtctat acttaatgaa gatagtgggt ggagaccgct ataacagtga agcaaattct 240  
 tgtgggcac ccaagacctg 259

<210> 33385  
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<223> Clone ID: 700892716H1

<400> 33385

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<210> 33386  
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<223> Clone ID: 700892717H1

<400> 33386

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tgaccaagtc tacgacgctg cagaagcgta cctctccacc 100

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<223> Clone ID: 700892718H1

<400> 33387

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gatgctccta gacagatcct aagaaatgag gaaggcaa 98

<210> 33388  
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<223> Clone ID: 700892719H1

<400> 33388

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<223> Clone ID: 700892720H1

<400> 33389

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 accgctacaa cattgcaact aaatcagaca agattttgtg tgtcattatg atagtctctg 240  
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<210> 33390  
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 <223> Clone ID: 700892721H1  
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 cccatggtac ggcccagacc gcgtcaagta cttgggcca ttctctggcg agccccctc 240  
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 <212> DNA  
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 <223> Clone ID: 700892722H1  
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<210> 33392  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892723H1  
 <400> 33392

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caaatgcttc accgatccga taaccggcat tgcccc

96

<210> 33393

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700892724H1

<400> 33393

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tggtctgatc ctatctccca agcaaggtct cagagatag 99

<210> 33394

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700892725H1

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<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700892726H1

<400> 33395

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agctggagtg ggtaaaacgg tactgattat ggaa 94

<210> 33396

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700892687H1

<400> 33396



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 aaaaagttta agatgggttc caaaactcgc tctttccttg ctcttttcct cacgatcaac 120  
 attcccttct ttgcccttgc ctctgcctgc gggacatgcc ctagccctaa gccaaggcat 180  
 aataggctca agcctgttaa gccaag 206

<210> 33397  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892727H1  
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 ggggtggcttg tgctagcaga agagttgcca atgaagaagc tctatggagt tattcggggt 180  
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 ctgcggatcc ga 252

<210> 33398  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892732H1  
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 acccttgaag ttttccatgt gttcagccca tgttccccat ttaggccatc aaagccactc 180  
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 gctagcatgg tggtggga 259

<210> 33399  
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<223> Clone ID: 700892733H1

<400> 33399

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<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700892734H1

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accagagtg tcatctttgt gaacacaagg cgtaa 95

<210> 33401

<211> 97

<212> DNA

<213> Glycine max

<223> Clone ID: 700892735H1

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<213> Glycine max

<223> Clone ID: 700892736H1

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<223> Clone ID: 700892740H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892741H1

<400> 33405

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<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700892744H1

<400> 33406

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atggtaggtc tcgatgctgc tggttaagaca accatcttgt acaagctcaa gcttggagaa 180

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cttcctgaaa ctatttatgt ccgtgttttt gaagaaagaa tggatctcat gcgagcagcc 180  
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<223> Clone ID: 700892654H1

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gggaagctgt ttggccaaac actcccatc ccaactgcact gcgagagctt ctaaagcctc 180  
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<223> Clone ID: 700892655H1

<400> 33411

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aacaccagag tgcacgaaaa ccatcacaga cataatacat aagtttttag ctacagctta 180  
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<223> Clone ID: 700892656H1

<400> 33412

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attctcaagc accaccctta cccaacaaaa gggttccgag tcatgcttcg ccacgttgat 180  
tcgggtaaaa atttaaccaa actagagcgt g 211

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<223> Clone ID: 700892659H1

<400> 33413

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aagcactgtt tcggtgcggg ccgcgagagc ggtaccaaat cgaggcaaac tctgaatact 180  
agatatgacc tcaaaataac aagggtca 208

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892660H1

<400> 33414

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gcaaggatca gacagacctt tgtggtttgc atcaaagcaa agtctttctt acttggtg 180  
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<223> Clone ID: 700892661H1

<400> 33415

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aaagagcttt cagttatggc cagactagaa tatatgacat ttgcaattt gttgctgcac 180  
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<210> 33416  
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<212> DNA  
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<223> Clone ID: 700892662H1

<400> 33416

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ctccttccgt tacaaggaaa ttgagaatgg aatgctgtgg gaagttgagg ggaagtgggt 180  
tggttaaagga gcagttgatg tagacattgg tgc 213

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<223> Clone ID: 700892663H1

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atgactacta taaattaacc tacccttgca ctctggcgc agatactatg gccgtgggtgc 180  
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<223> Clone ID: 700892664H1

<400> 33418

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agtgaccggt gctggtggct tcaactcact tagatgggtca aactcctcct ggagaaaggc 180  
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<210> 33419  
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<223> Clone ID: 700892665H1

<400> 33419

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 aggttcctct tcgggtccag cgcctttcaa acccccgta gctggcaaca caagtgatgt 180  
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<223> Clone ID: 700892666H1

<400> 33420

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 ttgaggtagt ggtagagaaa gttccaacaa gggttgttg tgatgttgat gaggatggta 180  
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<210> 33421  
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<223> Clone ID: 700892667H1

<400> 33421

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ccataaatag cattggtact gagcttacca gagatgaccg tagaaaattg tactctaatt 180  
 ttggtttgc ataccatat ggtcatgagg aacttgct 218

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<223> Clone ID: 700892668H1

<400> 33422

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 ccctgtggtt gttggtgctc caaatattca ggattttgct ccttctcctg gttcaatttt 180  
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<223> Clone ID: 700892670H1

<400> 33423

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<223> Clone ID: 700892672H1

<400> 33424

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aacgagtgct gcagtttaacc ctggtgtgcc ttctgcaggg gctgcggtgc aggggtggta 180  
cagtgtctaa ccgaatataa gtccccgt 208

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<223> Clone ID: 700892673H1

<400> 33425

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<223> Clone ID: 700892674H1

<400> 33426

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gttcacatga tatatttgct ttaccttggt gctttctgaa agcgagagtc aattgatttg 180  
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<223> Clone ID: 700892675H1

<400> 33427

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ttttcccgga cagttcataa ttttcctgga aaaaaaattc tgatttaatt cgggcccagt 180  
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 <223> Clone ID: 700892676H1  
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 atctatgagt gtaaaatcca ccctgaaat tgaaaagaag tttgttcac atgtatatga 180  
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tacatctatg cttattggtg tgcttccctc tttcaatata tatggattta ctggtaatgc 180  
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<223> Clone ID: 700892646H1

<400> 33431

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<223> Clone ID: 700892680H1

<400> 33432

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<223> Clone ID: 700892683H1

<400> 33433

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attccatggg acgacgtcgt tgtgatccag caagggaagg atcacaatga gccctgcac 180  
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<400> 33437

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<223> Clone ID: 700892606H1

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<223> Clone ID: 700892607H1

<400> 33439

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<223> Clone ID: 700892608H1

<400> 33440

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<223> Clone ID: 700892609H1

<400> 33441

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ggaaacgcag cgtttgtctca gtgagccagc acctggaatt agtgcgctccc cttcggaaga 180  
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<210> 33442  
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<223> Clone ID: 700892611H1

<400> 33442

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gcttatggag aaggcaacga acgtcgtttg acaggacgcc acgaaaccgc tgacatcaac 180  
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<223> Clone ID: 700892612H1

<400> 33443

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ggggaaaagt gaaggcattc cccaaggatg acccatccaa ggcacccaag ctcaactgcat 180  
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<223> Clone ID: 700892613H1

<400> 33444

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aggagattat gattggcgag gataaactga ttcatttttc tgggtgttgc atggggcagg 180  
catgtacaat agttttgaga ggtgctagcc accatgttc 219

<210> 33445  
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<223> Clone ID: 700892615H1

<400> 33445

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agctcctgca agtgcgga cggctgcgga ggctgcaaga tgtaccaga cttgagctac 180  
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<210> 33446  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892617H1  
  
<400> 33446

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<210> 33447  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892619H1  
  
<400> 33447

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ataattcctg tagagttttt ttttttctg tgaaagcatt aacgataatg ctcggagatc 180  
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<210> 33448  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892620H1  
  
<400> 33448

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gggagtccca aggcctatat agatcgcttg tagcaagttg gatcagaagc ctttcatgag 120



gcgattcgcg tgcaactctc gccaccataa aatattgcat gcttccgttt ctcacccttc 180  
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<210> 33452  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892624H1

<400> 33452

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 ccacagtttt ttcaccagaa acctcaagaa agtgtaccct atagggtctc agaaaagcac 180  
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<210> 33453  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892626H1

<400> 33453

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 gcagaaattg tagtgaaagc gataattcta gtactagtat aataactagt acgaatgata 180  
 caaatgatag tgattccact ataggagaaa g 211

<210> 33454  
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 <213> Glycine max

<223> Clone ID: 700892628H1

<400> 33454

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tattgccttg aacacggcat acagcccgat gggcagatgc cgagtgacaa gaccgttgga 180  
 ggaggagacg acgccttcaa cacattcttc a 211

<210> 33455  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892629H1

<400> 33455

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 aatggcagtc attgctctga agtgcccctc cattgaagtg gctgttggtg acatctccaa 180  
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<223> Clone ID: 700892630H1

<400> 33456

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 ccaataaccc ccataatcct actcctatgc ctggaaggaa tcaactcaatt ggaaaataga 180  
 acaacagtgg cactcagaag atcaaaggtc tgagtaacc 219

<210> 33457  
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 <213> Glycine max

<223> Clone ID: 700892635H1

<400> 33457

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cagggtgaact tggaccctac atcggtgagt acggtgcaga ttacagaatg ataagcatct 180  
tcaactctcc attccaagtt ggtttctaca acaccacccc aaa 223

<210> 33458  
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<213> Glycine max

<223> Clone ID: 700892637H1

<400> 33458

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ggttgaggcc agatggtaag acacaagtaa ccgtcgagta ctacaatgac aatggtgcca 180  
tggttccagt tcgtgtccac actgtcctaa tttcca 216

<210> 33459  
<211> 209  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892641H1

<400> 33459

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actttaggta ccttcccttt ggtgttgga gaagaagctg ccctggaatc attcttgcac 180  
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<210> 33460  
<211> 208  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892642H1

<400> 33460

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tcggaaccac ctactcttgt gtcggtgttt ggcaacatga ccgagttgaa atcatcgcca 180  
atgaccaagg gaacagaacg acgccttc 208

<210> 33461  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892603H1

<400> 33461

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cttcgcactc actctctcaa ctacccatct tcccaatacc tcccacttcc ttccgcgcca 180  
tcaaattctc aattttttgg cctcaaggta tctcattctt ccttttccac 230

<210> 33462  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892643H1

<400> 33462

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aggtgagaag gttggagatg ggaaaccaa aaccatgcct ccagcaagtg tgatgacaag 180  
gcttatattg attatggtgt ggagaaaact c 211

<210> 33463  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892644H1

<400> 33463

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ggccatgata catttgatat cttttcatct ttctttggcg gtgggagtc ctttggatca 180  
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<210> 33464  
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<223> Clone ID: 700892645H1

<400> 33464

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 caatttcttc tcggacgaac aagcaccaac tctgcagtgg tactgttcag aggaatggag 180  
 ttaagaggga agaagaagaa gcttaattaa ttga 214

<210> 33465  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892564H1

<400> 33465

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 ccggtatact cctacaccgt gactgaacag ggtaatgaag gggcttcctg tgtttgctgt 120  
 tggtgataac aatgtagttt tgtagacgca gcggatcgtg aagggttaata cttttttggt 180  
 tagtgtatga cgatataacc attagaccaa ttgtttcaaa tgcttgctg catgacttca 240  
 tactaagaca accaagaatt agagccatga 270

<210> 33466  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892565H1

<400> 33466

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93

<210> 33467  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892566H1

<400> 33467

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gtagtcttg acctttcttc ttctacatt tttatttgat ggtttttgaa tcccacctta 180  
aaatgtcaat tactggcaag tctgtctact aggctgtagt ggaactggga cttcttagtg 240  
tgtcttctaa a 251

<210> 33468  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892567H1

<400> 33468

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gatgtcaatg aacaagatgt acttctatct atcgacaata tctttcgctt cgtccaagca 120  
ggatctgaag tatctgcctt attgggtcga atgccttctg ctgtgggtta tcaaccact 180  
cttagtactg aaatggggtg cttacgagag agaactcact ctaccaaga ggggtccata 240  
acttcta 247

<210> 33469  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892568H1

<400> 33469

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 cgggtggaacc cgctcccga cctgccaccg ctgagcctcc cccggaggag aaggaggatc 180  
 ccaaacctga agccaaggct aagaaaacca aggaacccaa acctaaaaag gtttccagac 240  
 cacgca 246

<210> 33470  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892569H1

<400> 33470

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 ggtggtcttg atgatgctgt gtttgtgggt ttgtggtgtc acagcctctg tgacttatga 180  
 ccacaaagcc attgtggttg atggcaagag aagaattttg atctctggct ccattcatta 240  
 tccta 245

<210> 33471  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892570H1

<400> 33471

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 ccgggctcga aggaccacct tcacgtgct cggttactcc atgtcacgg agccgtcggg 180  
 ccggagagtc ttgtcttcga cgctgacggc ggagggccct acaccggcgt cgccgatggc 240  
 cgcat 245

<210> 33472  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892571H1

<400> 33472

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tcagttattc ctgtccctat gcacaacgag tatggataac taggaactac aaggggcttc 180  
aagacaagat caaattgggc cctattgac ttcaagacag gccagcttgg tataaggaga 240  
aagtc 245

<210> 33473

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700892573H1

<400> 33473

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cccgaacaag tccaagctg aactaataaa acaagttcac gagttgaatg ttaaccctga 180  
tgtacatggt atattggctc agcttccgtt gcctaagcac ataatgaag agaaagttct 240  
gactgaaa 248

<210> 33474

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892575H1

<400> 33474

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acaagcactt tatggctaca gtccaccatc tatgccccaa ttaccaaagt catcatcctg 120  
ctgttgctgc ccctcaaaga agcaaaccac agacgtctca gagctttata gagatgcaaa 180  
gaggaagaa cttgatgccg ccatttttaa tctcaggag attgacaact atgatgaata 240  
cgagaggtca at 252

<210> 33475  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892576H1

<400> 33475

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 tttccccaat tcgaagctct gcactttccc ctttgaagtg gaattttttt tcgttctgt 180  
 gaagttccat tccatattct gggaatgggt ctataaaaca agcttccaaa ttggagagaa 240  
 agtcccaaac ttttc 255

<210> 33476  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892577H1

<400> 33476

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 ggatctgtga gtgagaagat ggttactaag acagaggaga ctcaattgaa caggctcgaa 180  
 aaccaggtcg ataacggcgg cggcggcgcg tgggagtacc tctgcctcgt gcggaagctc 240  
 aaagttcggc ggtcgg 256

<210> 33477  
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<223> Clone ID: 700892578H1

<400> 33477

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ttactggaag tcggtgcttc ctactacgcc aatgccaaaa gccatcactg atataccttta 180  
 ctctgattgg gtggaagaga aaagcagctc agtgcattgtt ggaggtggag gcgtgaacgt 240  
 gcatacagg 249

<210> 33478  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892579H1

<400> 33478

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 ggtgcacttg atgatgctgc agtgaccgag gctctagagt tacacaagat caaaaatcgc 180  
 caatgggcta tttttaaacc ttctgccata aaaggagaag gactttttga gggccttgac 240  
 tggttgagca atacactcaa a 261

<210> 33479  
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 <212> DNA  
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<223> Clone ID: 700892580H1

<400> 33479

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 cgagattcta gcacgattca tcccagatat agagattcaa ccacgattct ggaacaaaaa 180  
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 atcgtgaatc gtacgatact aacta 265

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 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892583H1

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caaaggagct gcttattcag gctgagaagg agaagctaaa agcaattgat gacttgaaag 180  
aagcacaaag agtggctgag gaagcaaag agaaactccg ggaagcattg gttgctcaaa 240  
aactcgctga ggaga 255

<210> 33481  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892587H1

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<210> 33482  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892588H1

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gcgagtcttc acagggcaat tgtcactgct tatggacccg aacctgggtg atctatccat 180  
gaccaggatg aagcttgggt gaaactaagt ggaggtccga accgactgat gttgaagaat 240  
cag 243

<210> 33483  
<211> 248



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251

<210> 33486

<211> 74

<212> DNA

<213> Glycine max

<223> Clone ID: 700892593H1

<400> 33486

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<210> 33487

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892595H1

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ggaaattgag ggtgaaaaag gagagagcag caattggagg acgatcgatg ggactacag 180

tgtgcgagtg tgctgagcct gacagacctc tatgggtccc aggcagcacc ctcctccat 240

ggcttgatgg cactctacct gg 262

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<211> 267

<212> DNA

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<223> Clone ID: 700892596H1

<400> 33488

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aaaaccaaac aactgaagct ggaaggcacc aagaggttgg tcacaagagc cttctccaga 120

gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa cctgaatcca 180

tgaagaact gagagagttg acagcaaac acccatggaa catcatgaca acctctgcag 240

acgaagggca gttcttgaac atgctcc

267

<210> 33489  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892601H1

<400> 33489

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ggccatggat tgatggtgag aagagcggtt aaggaatcgg tatgcgctg acagactttg 180  
tatttctgc ttagagagag atcggctaag aagccaggca aaggaagaaa attaacttg 239

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892562H1

<400> 33490

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ttaatgactt ttcattggaac cttttcagtt cagggaaggc cactgaaaat ggagatcaag 180  
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gccacgtggc accgtcaca 259

<210> 33491  
<211> 217  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892602H1

<400> 33491

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gccgagtgca ttgcacttga cgggtgaacca tagtatgaca ttccattccg tcacctcaag 120



ctaaccaccc caagctttgg tgacttgaac catctgatct cagctacaat gtctggtgtc 180  
acttggtgtt tgaggttccc tggccaactt aactctg 217

<210> 33492  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892533H1

<400> 33492

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ttcttgcaat tccccacaac aatctccaag gaagaagaat aatgagaaca agttggcaaa 180  
gttagcaatg gttgcagttg ctggtggggg gctaacactt gggtcagttc atgatgcac 240  
agctgccaag actggtggtg 260

<210> 33493  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892534H1

<400> 33493

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tttggccaaa cactcccatt cccactgcac tgcgagatct tctaaagcct ctccctgcag 180  
gtgttgaaat cgatcgaatc cctagccaat tgatgataca cagtaccaa aacattctt 240  
ctataa 246

<210> 33494  
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<212> DNA  
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<223> Clone ID: 700892535H1

<400> 33494

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tccgcgaagg tccaccctct ggtcatcttc aacatctgcg attgctacgt tcgacgcctt 180  
gaccaagccg atcgcgatcat cggaacccta ctgggctccg tccttcccga tggaaccgtc 240  
gatatccgca at 252

<210> 33495  
<211> 248  
<212> DNA  
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<223> Clone ID: 700892536H1

<400> 33495  
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cctgcctggg aatccaagga tagccttggg cagtttttgt ggcttacaag aagcatggcc 180  
aatggttctc tggctaactt ctcccaattc aagctccccg ctacacagcgg caccatgtc 240  
gatgctcc 248

<210> 33496  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892537H1

<400> 33496  
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ctcatgtgcc aagagatcat ttgctgctgt caatgatctt tctccatcga gattcccat 120  
gtgggtgtgt ctactatgtg gatttatccg tcagttgcct tgtcaaggag actcatgaga 180  
tgagactatt ttccctttgt agtggtgggg ttggtcttag tatttgtatg gcgcatttat 240  
gggtat 246

<210> 33497  
<211> 250

<212> DNA  
<213> Glycine max

<223> Clone ID: 700892539H1

<400> 33497

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gactctcttg tttgatattg agctgttgaa gattattcca aactgattga tcaaattttg 120  
aattgactgt caaatatcac cgtcggaatg ttgaggtcta cttatttaca gaggatgaga 180  
ggatacatgc aaacaactgt cctgtagaaa ttttgtaat attgatatta gatgcttgtg 240  
tcaaatgacc 250

<210> 33498  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892540H1

<400> 33498

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tgaagcagct gctaacaact tgaaacgcct tgctgaagaa tttggctctg agtgggctat 120  
gcagcacata attcctcagg ttttgagat gaacaacaac ccacactatt tgtatcggat 180  
gactattctt cgtgctatct ctctgcttgc tctgtgatg ggccctgaaa tcacttgttc 240  
aa 242

<210> 33499  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892541H1

<400> 33499

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tgccactgca ctatccaagg tacaccaag ctgactatga ggcaatgcca gagtggaggc 180  
ttgactgttt gctcaaagag tatggcttac caatctttgg ggatgttgaa aacaagagaa 240



cgattgagct caacaacaac acaaaaaaac accataaaac tcaccgtagc gcaccacagc 120  
 caaacgcgat ctcaacgatg accagcttct gaaattccaa cttcgccctt catcttcgta 180  
 tactttttta tttccggtga ggtgagttcc atgcctagtc ccaagagcag ccgcagcggc 240  
 cagatcgaga gtcaccgga 259

<210> 33503  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892546H1

<400> 33503

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 actcggaatc ttcaaactcc gattctcaac cgcaccctct ctggaacca atcgacgacg 120  
 cgtgccacga catgagctcc ctggaagagc tcggaaccg cggcgcggtg cgttccatca 180  
 ttgacaaggt ctacgcgcc cgcgcctct ctctctcca caagccccac gaccacctca 240  
 cctgccttgg cttcaacgc cc 262

<210> 33504  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892547H1

<400> 33504

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 ttctaggcca gagaccatga gtgtcttcca acccattgag tcaaagacta atcccgtca 180  
 cgatacatga ctgtcgctga cttatgggaa ttttgcatat ggatattgat tttgagttca 240  
 agatattatc acttattgca ggaca 265

<210> 33505  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892548H1

<400> 33505

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 tcgtcctaata cctcaagggc cctttcatta tggctccatc aatataactg atacttatgt 180  
 gtttaagggtt acatccctgg tgccaatcaa tggtaaaaat cgagctacta ttaatgggat 240  
 ctcattttctc aagcctgagg ttccattccg gcttg 275

<210> 33506

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700892549H1

<400> 33506

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 tgaccacaca tttgtagtca atacgtatcc attgattcac atgatataatt aaattttatg 120  
 gatgacaagg acttgtcatc aatgcaattg ttgtactcct tagaatgtct ttatagcaaa 180  
 taagagattc aatgatataa cacacgggta gagtgcctgg tacgggtagg ctggaattgc 240  
 acaagcccgt gaa 253

<210> 33507

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700892550H1

<400> 33507

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 gaaatttaag tgaagagaga atgatgatga agtctgctat gtgtgcattg gtgcttgtgg 120  
 cactgggtgt ggttgaagtg gggcccatgg ctgaggctgc ggtgacttgc aaccaaacac 180  
 agttgactcc ttgtcttccg gcaattaatt cagggtctgc accttcgagt gcttgttggc 240  
 agaagctgaa g 251

<210> 33508  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892551H1

<400> 33508

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 ccttcagagc gatgcactct atcagtatat acttgaaacc agtgtgtacc caagagagca 180  
 tgagagcttg aaggcgctac gagagttgcc ggaagaacac ccttggaacc tgatggctac 240  
 accaactga 249

<210> 33509  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892552H1

<400> 33509

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 tccgaggaag agtatgttaa gtcaattaag gaggcaattc gcaaagttgt tgaacttcaa 180  
 gaagagcttg atattgatgt tcttggtcat ggagaaccag agagaaatga tatgggttag 240  
 tac 243

<210> 33510  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892553H1

<400> 33510

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agctgcatg acagaaattt tgataaccaa aggtggagca gatttcagaa agataatttt 180  
 ggtttctggc cacaaaatca atgggtggct ttctccacag aatcatcctc tcatagcaga 240  
 gtggatg 247

<210> 33511  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892555H1  
 <400> 33511

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 agtggcctgg tacaattgat caatcatgga gtgatgcagt tctcaacct attccagcag 180  
 tacctggtgt caactggggg gcacctgcag aagcacctgc tgctgcagga ggagattggg 240  
 gggaag 246

<210> 33512  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892557H1  
 <400> 33512

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 acatggacac agttttattg aggatcaaga atcaataaaa ctgtgtccat gttgaagttt 120  
 ccgtggaagt cctggaatca ttcattgatg gtataaatag gaaaagcaag atagttagta 180  
 tgagtatttg aaaaatcact gaggccctgt tctttcattt gattttaact tgagaataat 240  
 gatattatca tgg 253

<210> 33513  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892558H1



<400> 33513

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 gagaagtacc tggatgagaa gaccatcttc caccttaacc cttctggccg ttttgtcatt 120  
 ggtggccctc atggtgatgc tggctctact ggaagaaaga tcatcattga tacctatggt 180  
 ggggtggggtg ctcatgggtg aggtgccttt tcaggggaagg accctaccaa ggttgacaga 240  
 agtgggtgcct ata 253

<210> 33514

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892559H1

<400> 33514

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 atgagaaacc cacattcttg gccaccccga aagcctcctc ctttgtccct catggtgtcc 120  
 ccaaccattt tgaggaaaac ctcgaaaacc atgtgacttc tgagaaatca gagaaaaacc 180  
 atgttcaaca acctacgtct ccgcaacaac agagccagcc acgacaataa gatgtcattt 240  
 ggtttgtaat tctatg 256

<210> 33515

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892561H1

<400> 33515

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 ttccaagggg aaaccttctc aatttggttt ggtcatggag gagtatgcaa aagaagggat 120  
 gcatcatata atttcagctt tgcttgagtt ttctgcagca gatgatctgg ttagtttcaa 180  
 agatgcggtt gaaaaggagg gtcgatgat t gatggggta gggttttggt atggaagggtg 240  
 tgttgcctcg aagaaaata 259

<210> 33516  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892532H1

<400> 33516

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 aagatgggag acgtagcaga taaattggcg tatttccaag cgataaccgg tttagaagat 120  
 ccggagctct gcacagaaat cctggctgcc cacaattggg acctggaact cgctatctct 180  
 actttcacct cttcctcaaa ccctaacaac cctccaccgc ctcccgtct g 231

<210> 33517  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892494H1

<400> 33517

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 ccgacgtcgt tgcagttata atggctccat tcagcggcga tgagacggca ccgtttttcg 120  
 gcttccttgg agccgcagct gccctcgtct tctcctgtat gggagctgcc tatggcacag 180  
 cgaagagtgg cgtgggcgtg gcctcgatgg gtgtgatgag accggagctt gtg 233

<210> 33518  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892495H1

<400> 33518

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 ccgtcgcttt gtaagtgcc gcaaagatgg ggatgctcgt atatgggatg tttctttaaa 120  
 gaaatgtgtt atgtgtctca gtggccacac acttgcaata acatgtgtaa aatgggggtg 180  
 agacggcgtg atttatactg gctcgcagga ttgtacaatt aaagtctggg aaaccac 237

<210> 33519  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892502H1

<400> 33519

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 gggtgtttgc gaagaaggaa atgaggattc tgatggtagg tctcgatgct gctggtaaga 180  
 caaccatctt gtacaagctc aagcttggag aaatcgtcac caccatcccc accatcggat 240  
 ttaatgttga gactgtggag ta 262

<210> 33520  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892503H1

<400> 33520

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<210> 33521  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892506H1

<400> 33521

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 cctctcattt ctccggcgat aactgctccc gtttccggcg aattcaccgc ttcttcgata 120  
 tgaatcccga gtatgactat ctgttcaagc tccttctgat tggagactct ggtgttggtg 180  
 aatcatgcct tcttctaaga tttgctgatg attcatacat tgagagctac ataagcacca 240  
 tcggagttga tttttaaatt cgcactgttg ag 272

<210> 33522  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892509H1

<400> 33522

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 ggaagtgggg atatttctct tgtggaacag gcaacccaat tgatgattgc tggcggtgtg 120  
 accccaactg gcaacgcaac cggaagcgtc tggcggattg tggcattggt tttggccgga 180  
 atgctatcgg tggtcgtgat ggaaaatttt atgtggtgac tgaccccagg gatgatgacc 240  
 ctgtgaaccc gaaacctgg 259

<210> 33523  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892510H1

<400> 33523

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 gaaatatcag cccttcaaag ccagcaata ataataattt gttccaaagt tctaaattgc 180  
 tttcttttct aagtaacttt ttctagtaag tttcagcatg ttcattggata atttattgtt 240  
 atcaagtgct tatgaaaga 259

<210> 33524  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892511H1

<400> 33524

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 gtggcggaac agaagccgaa gacgaagatt gtgtgcacgc tggggcccg c atcgcgctct 120  
 gtcccaatga tcgagaagct tctgcgggcg ggcattgaacg tggctcgctt caacttctcc 180

catgggtccc acgagtacca ccaggaaacc ctcgacaacc tccgcgccgc catggagAAC 240  
accggtattc tctgcgccgt ca 262

<210> 33525  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892512H1

<400> 33525

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gaaaatcggt ttgctcgaga agttaatatg atgtctcgcg tccaccatga caatcttggt 180  
aagtttattg gagcatgtaa ggatcctctt atggtaatag ttacagagct attaccaggg 240  
atgtcactgc gtaaataattt aacgagt 267

<210> 33526  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892513H1

<400> 33526

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gatctgcaaa ccccttttct ggatctgggt catttacatc taggtctttg aaaggtaact 120  
tgaggagatac atctggtgca gtggatgctt caacaattga aaactcagac actagaaatc 180  
ctgactatta tggggatgag catcttacta ctactacctc agatggaaat ttagttcaag 240  
gaactggtgt gagtgcctggg accta 265

<210> 33527  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892514H1

<400> 33527

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 aaacgcaggc tcgtcgtttc gtgccgccct tccaccttgc atttcctcgg aacttcagcg 180  
 gctttgacct tcctagccgt ttctgtattc acggttttgg ctcaattgat ttctaagttt 240  
 tcgtcttggc gtcgcaacgc ttctag 266

<210> 33528  
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<223> Clone ID: 700892515H1

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 gacgacaact tcaagggcac ccggtggggc gtctcctcgc ccggttccaa tggttactgg 180  
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<210> 33529  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892516H1

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 ctgacacagc aaatgtggga tgccaagaac atgatgtgtg ctgcagatcc aaggcacggg 180  
 cgttacctca cggcatcagc catgttccgt ggcaagatga gcaccaagga ggtggacgag 240  
 cagatgataa acgtgcagaa caagaactct tcata 275

<210> 33530  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892517H1

<400> 33530

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atgacaagga cttgtcatca atgcaattgt tgtactcctt agaatgtctt tatagcaaat 180  
aagagattca atgatataac acacgggtag agtgcctggg acgggtaggc tggaagtgca 240  
c 241

<210> 33531

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700892519H1

<400> 33531

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attcttccca tattcacaag gtgcccattt gttgggtcaac ttgggctggg atgttttcag 180  
aattgacaca ttgatacgca actttggctt tccgattggg cctttccagc ttcaagactt 240  
ggctggctat ggag 254

<210> 33532

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892521H1

<400> 33532

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acacaacata cgactctatc agatgcacat gctgacaaca ccaacttctg tgtaaagtgt 120  
agcaacaatg gctacattag tgctaattgac cccttgaact ggggtgcgac ggcggaggct 180  
atggctggga gccacctcga ctaggtcaag cgcatgctag aggagtaccg gaggcccgctc 240  
gtcaagctcg gt 252

<210> 33533  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892522H1

<400> 33533

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 agtcagaata agtggcatgg ttgaaaggct acaattatct cagcaaataa gggagaatgt 180  
 atactctctt ttccagcgga tccttaatca gtggacatct ctctttttca accgtcatat 240  
 t 241

<210> 33534  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892524H1

<400> 33534

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 ctcaggggtg gcatgcaaat ctttgtcaag actttgactg gcaagaccat caccctcgag 180  
 gtcgaatcct cggacaccat tgataatgtc aaggccaaga tccaggacaa ggagggtatc 240  
 cctccagatc agca 254

<210> 33535  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892525H1

<400> 33535

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ataactgatt tagtaggaag aaagtagagt tgagtagcta tatctgatca agctatatgg 180  
 aaaaactcag cagtaatatg tgattagaac ttatgtgggg attctctgta tgcttgagca 240  
 gatatttgct gaataaa 257

<210> 33536  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892526H1

<400> 33536

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 gcacttctga gataacctgaa atagtgcagc attatcgcca agcagcaatt aatgcaattc 180  
 gagcaggttt tgatggaatc gagattcatg gggcacatgg gtatctcatt gatcaattct 240  
 taaaggatgg aatcaatg 258

<210> 33537  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892527H1

<400> 33537

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 aagacattaa gccaaactacc ttatttccaa ccacttacat actctctttc gacaattccg 180  
 ctgcattggt accaacagaa actgatcgtg atttttcttc ttccaaattg ccctcatcaa 240  
 attcaagggc caaccatgga a 261

<210> 33538  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892528H1

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gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagcgcc 180  
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agttgcatag aatgttgaat gaggatgagt tgagagatgc tgtgcttcta gtttttgcca 180  
acaagcaaga tcttccaaat gctatgaatg ctgctgagat aactgataag cttggtcttc 240  
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<223> Clone ID: 700892530H1

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aaaa 124

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<223> Clone ID: 700892531H1

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aagcctttga agaaacccaa gtctgataag aaggattacg acgaggttga catggctaac 180
attcagaaga aaaaggaaga ggagaaggcg ctaaaggagt tgaaagccaa ggcgcaacag 240
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<210> 33542

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892493H1

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tctcctgcga cggcgaggct gagatctcgc tccgctacct ccgcaacgcy accccctcct 180
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<210> 33543

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892448H1

<400> 33543

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ctgacgtggc agaagagaca gaaaaagaag ctgcagaagt tacggtaacc gaaactgagg 180
ttgttgaaga gaaagtggcg gtttctgctt ctgctgacga ggatggagcg aaaaccggtg 240
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<223> Clone ID: 700892449H1

<400> 33544

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 agcgacacag taatatacaa aatgcaagat gttgctcgag gttctggcaa aaaaacagcc 180  
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<223> Clone ID: 700892452H1

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 catgatatgg agttaaaaat gggagtgc aaacagcatca gccttaacgc aatatgttaa 180  
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<210> 33546  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892454H1

<400> 33546

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 aaaaatgggt ttgctgcatg caaaaccctt ctgccgaatc atagcatagc aatggttgct 180  
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242

<210> 33547  
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<223> Clone ID: 700892457H1

<400> 33547

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<210> 33548  
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 <212> DNA  
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<223> Clone ID: 700892458H1

<400> 33548

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242

<210> 33549  
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<223> Clone ID: 700892459H1

<400> 33549

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ccaagctatg tggaatcaac tgttgaaaga ctggttttcc aatagtatcc atttgtgagc 180  
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<223> Clone ID: 700892460H1

<400> 33550

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<223> Clone ID: 700892461H1

<400> 33551

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atgacgggtg ttgtcatcca cattgtctct ggctgtttcc catatgcgag tttcagtcta 180  
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<210> 33552  
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<212> DNA  
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<223> Clone ID: 700892463H1

<400> 33552

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gggtctccag atattatggt ggtggttctt ccccatctat tattttgtggt ttgcctgca 180  
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241

<210> 33553  
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<223> Clone ID: 700892466H1

<400> 33553

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<210> 33554  
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<223> Clone ID: 700892468H1

<400> 33554

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catecgagac tgggtcttgag cctaaagagc aaagggttact atttagaggg aaagagcaag 180

aggatgagga atgcttgcac atgggtgggag tgaaagacat gtctaagggtt atattg 236

<210> 33555  
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<223> Clone ID: 700892469H1

<400> 33555

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gcta 124

<210> 33556  
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<223> Clone ID: 700892471H1

<400> 33556

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caactttgga ggcatagaag acggaatgcc aaatggcaat ggtgctttat tctctgttat 180  
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<210> 33557

<211> 239

<212> DNA

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<223> Clone ID: 700892473H1

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cgtccatggc gctctctgct tctacctccc cggcgtcgtt ccacaggact tccagaaggg 180  
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<210> 33558

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892474H1

<400> 33558

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cgtactgggtt acttcttttg gtgagcttga gggtaatgca tttcttgaac ctaggactgc 180  
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<210> 33559

<211> 238

<212> DNA

<213> Glycine max



<223> Clone ID: 700892475H1

<400> 33559

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agttgccgat caagtctgca caaattaccg catcaactga tttcactgag ctacaagaga 180  
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<210> 33560

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892480H1

<400> 33560

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tcaaggttgg agatatagag tacgcattgg catacgttga tggcgctga agcggaacat 180  
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<210> 33561

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<212> DNA

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<223> Clone ID: 700892481H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892482H1

<400> 33562

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tgctgctccc gaaatggtgt cggcgccgca gcagcagcag cagcaggctt cgttggttcgc 180  
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<210> 33563

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<212> DNA

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<223> Clone ID: 700892483H1

<400> 33563

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gagcagggat agcagagttt gtggccactt ttctgtttct atacatcact gtcttaaccg 180  
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<210> 33564

<211> 234

<212> DNA

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<223> Clone ID: 700892486H1

<400> 33564

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caatgatcag acagcaaagc tttttgtgag accaagaggt tggcatctac ctgaagcaca 180  
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<210> 33565

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892487H1

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ctacaagaag cagaacgagc tcttcatcgc cgccgaggggt ctctacaccg gccagttcat 180  
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<212> DNA

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<223> Clone ID: 700892488H1

<400> 33566

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gatggattct aaatggtaca ctcaattcag aaatgtatcc aatccttga tggcaagata 180  
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<210> 33567

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700892489H1

<400> 33567

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agggcagcaa acggattgga acagcgaaga gattcaacat ggaaatgggg ttgcccgcag 180  
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<210> 33568

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700892490H1

<400> 33568

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acgtcaaggc caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt 180  
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<210> 33569

<211> 120

<212> DNA

<213> Glycine max

<223> Clone ID: 700892491H1

<400> 33569

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892492H1

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gccctctaca actcatcaca aactccttca tcaacttctt tagattctcc aaattcaaac 180  
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<211> 239

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<223> Clone ID: 700892443H1

<400> 33571

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<223> Clone ID: 700892401H1

<400> 33572

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<223> Clone ID: 700892402H1

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<210> 33574  
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<223> Clone ID: 700892404H1

<400> 33574

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 catgtacaga agaaatggat aaggtcgctg acaatgcagc accactagtt ctgaggaagg 180  
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<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700892405H1

<400> 33575

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 ctacctggct ctccctgacc ctgatgctga tgcggttcag ccaatcctcc caaacccctc 180  
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<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892406H1

<400> 33576

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 aataacacca agttcgcagc ctcggttaac aacattttct ttgcacttcc atcatctgtt 180  
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 gcca 244

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<223> Clone ID: 700892407H1

<400> 33577

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 agcaattata tgggtggtgg tggatctggg tcatattatt gaggttaagtc ttctaactct 180  
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<210> 33578  
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<223> Clone ID: 700892408H1

<400> 33578

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 cccctcagct cctctcactt ccaggagggg agcaatagca gctgcataca gtagcagcgg 180  
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<210> 33579  
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<223> Clone ID: 700892410H1

<400> 33579

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gaccatcatc cgttgactgt ggaaagctct cttcaatgcc tattgtttcc ttactattg 180  
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<210> 33580  
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 <223> Clone ID: 700892411H1  
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 ctatcctacc tatcatgatt tctaccttct ccccttttcc gctctcttct tcccttccct 180  
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 <223> Clone ID: 700892412H1  
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<210> 33582  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892413H1  
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ggctctactc ctcctccagc gtggttacac cgtccatgcc accgtccaag atatcaagga 180  
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 tgaaatg 247

<210> 33583  
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 <213> Glycine max  
 <223> Clone ID: 700892414H1  
 <400> 33583

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 ggcggtgggt tgataatcat ttggtacatg ttctgtcacc aaatatatat cgaaatacat 180  
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 aattt 245

<210> 33584  
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 <213> Glycine max  
 <223> Clone ID: 700892416H1  
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 cggatagggg ggcgagagtg ttgaggtaca gggagaagag gaagaaccgt aagttcgaga 180  
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<210> 33585  
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<400> 33585

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 agtggcactt caacttctct cctagctaca tggcgcgttt gcaaggatag aagctaggcg 180  
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<210> 33586

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892418H1

<400> 33586

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 atgagaacac tgatcatagta attttgggtc atagaactgt gtatcagagg cagcaaata 180  
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<210> 33587

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892419H1

<400> 33587

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 atcgaaggag gatttgaagg aagtgacca caagggtttac tttgatgttg agattaatgg 180  
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 gaac 244

<210> 33588

<211> 241

<212> DNA  
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<223> Clone ID: 700892420H1

<400> 33588

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 gcttttcagg agagggtaag aattccggat gataagatgg tgtattacga gaatcttgcg 180  
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 g 241

<210> 33589  
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<223> Clone ID: 700892421H1

<400> 33589

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 aagcaatctg agcaacaaca actgcaccaa taataatagc attggcctcc aaatccccac 180  
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<210> 33590  
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<223> Clone ID: 700892422H1

<400> 33590

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 gtgagccagc tctcctacgg cgcgtgggtg agcttcggga accagctgga cgtgaaggag 180  
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gtct

244

<210> 33591  
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<223> Clone ID: 700892423H1

<400> 33591

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 aagcctatac caaagccagt tccagttcca gtgtataagc ctattccaaa gccagtgtat 180  
 aagcctattc cgaagccagt gtataagcct attccaaagc cagttccagt gtataagcct 240  
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<210> 33592  
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<223> Clone ID: 700892424H1

<400> 33592

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 aactttcgac ccatcatcta aaattttctt ctttcttctt ctttttcttg tctatgtctt 180  
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<210> 33593  
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<223> Clone ID: 700892429H1

<400> 33593

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 tgcaatatca ataccttctc acatgaaagc ttggacatac tctgagtatg gaaaatccaa 180  
 ggaagttctc aagtttaate agagtgtggc tttgcctgag gtgaaggaag accaggtcct 240  
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<210> 33594  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892431H1

<400> 33594

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 tgcttcacga ttaggctctg ggtgtgtgac acctgatggg ctggggctgg aatccaggtt 180  
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 gcaaa 245

<210> 33595  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892435H1

<400> 33595

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 ccaggggatg cagtggccgg cactgatgca agcccttgcg cttcgcaacg acggccctcc 180  
 ggttttccgg ctaaccggaa tcggaccgcc ggcggggatc aactccgacc acctccagg 239

<210> 33596  
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 <213> Glycine max

<223> Clone ID: 700892436H1

<400> 33596  
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 tcgatgacag atgcagtttag caatatttga atatattgtc actatttgtt tgaatgtaat 180  
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<210> 33597  
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<223> Clone ID: 700892395H1

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 actggcgcca cggccctaac cgccatacgc ccgtcgtttg ggtggacccc aggaacaagt 180  
 gttccacgcy tgtagacgaa gacggcgata ccgaagccac ctgggaccaa accctactta 240  
 ttctctctccc cccgg 255

<210> 33598  
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<223> Clone ID: 700892439H1

<400> 33598  
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 taacaaaggt gtggagaaag agtcttatgg cgagattgtc acggcgcttg ttaaggatgt 180  
 tcaagcgctg aattcttcag caataggaac aaattcatct tatttctatg ggaagc 236

<210> 33599  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892365H1

<400> 33599

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 tggcctcagt cacacgtgca gggttcacag ttagatcaca acaacaacaa gtgagtgggtg 180  
 aggtacaaag cagccgtagg gcagtgcttt cacttggtgc tgctggtttg gccactggct 240  
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<210> 33600

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700892366H1

<400> 33600

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 cgtggttagca aagtatgggtg acaagagtgt gtactttgat ttggaggatc tgggcaacac 240  
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<210> 33601

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700892367H1

<400> 33601

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 ttaatcatca aaacaatttg gcggccagaa aggagagtga aatgtgatga aatcctagga 180  
 tagactcggt aaagatttgg gaatagaatg cagggaatta gtgtgttttg ag 232

<210> 33602  
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<223> Clone ID: 700892368H1

<400> 33602

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 tggttgtatt actactaagg aacttgggac tgtgatgcgg tcactagggc aaaacccaac 180  
 tgaggcagaa ctgca 195

<210> 33603  
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 <212> DNA  
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<223> Clone ID: 700892369H1

<400> 33603

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 <213> Glycine max

<223> Clone ID: 700892370H1

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 gacaccgtcg tcgtcgtcgt cgtcatcaat ggcaccgaag cagaccaagg ctgagaagaa 180  
 gatcgcttac gatgcgaact gtgcgacctt atggaggagt acggccagat cctcgttgtg 240  
 aactccgat 249

<210> 33605  
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<212> DNA  
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<223> Clone ID: 700892372H1

<400> 33605

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 aagaagaaaa tccacgctgc attcattact cagtgcctaa tccttataag aagagcttca 180  
 ctgcaaatct atcgtgacac aaacaattat tgggcacgtt tagttgtctt tatcttcata 240  
 tctttaag 248

<210> 33606  
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 <213> Glycine max

<223> Clone ID: 700892373H1

<400> 33606

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 atgacatgca cttccctttg tccaaggctg ccaacctagt cactaacttt gttgggacca 180  
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<210> 33607  
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 <213> Glycine max

<223> Clone ID: 700892374H1

<400> 33607

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 tttccctgct tctcttcagt ttcgttaacg catccttoga cctcgctact atacccttca 180  
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 gcgtaca 247

<210> 33608  
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<223> Clone ID: 700892375H1

<400> 33608

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 gacactactc attgttaatt tgtgtataga ttatattact tggccatata tcttggcttt 180  
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<223> Clone ID: 700892376H1

<400> 33609

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 agtacatgtt tttagtattg tagttttata attgaatggg ttagggataa catacctttt 180  
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<223> Clone ID: 700892377H1

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gaagcgccac aaggacgctg cagtatcagc cagaaaagcc gaagtatcca gtaagcgtgc 180  
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<210> 33611  
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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
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 tacatcaccg tct 253

<210> 33612  
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<210> 33613  
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gaaggaatat ctataccaat tggaattata cgggctgggt ctgataactc gttggtatgg 180  
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<210> 33614  
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<223> Clone ID: 700892381H1

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 taaagaaagg ggcttcctct gtggaagggtg ttgaggccaa gttatggcag gtacctgaga 180  
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 ttacccccaa tg 252

<210> 33615  
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 <212> DNA  
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<223> Clone ID: 700892382H1

<400> 33615

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 tgctgtgtgc tgtaatcatg taatgatagc tttttttatt attttagtatt attgtggctt 180  
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<210> 33616  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892383H1



<210> 33619  
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 <212> DNA  
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<223> Clone ID: 700892387H1

<400> 33619

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 taaa 244

<210> 33620  
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<223> Clone ID: 700892388H1

<400> 33620

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<210> 33621  
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<223> Clone ID: 700892389H1

<400> 33621

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 ccaaatgctc acaagataga ggaacaccgt cggaaatatg aaaggctgca caaagaaaga 180  
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<210> 33622  
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 <212> DNA  
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<223> Clone ID: 700892390H1

<400> 33622

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<210> 33623  
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<223> Clone ID: 700892391H1

<400> 33623

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<210> 33624  
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 <212> DNA  
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<223> Clone ID: 700892392H1

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ttttgccc aa gcaccttgat gagaagggtgg ctgcacttca ccttggcaaa cttggagcta 240  
agctcacca 249

<210> 33625  
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<213> Glycine max  
<223> Clone ID: 700892364H1  
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<210> 33626  
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<212> DNA  
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<223> Clone ID: 700892393H1  
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acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccagaccag caacgtctca 180  
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<210> 33627  
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<212> DNA  
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<223> Clone ID: 700892330H1  
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gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180



002220"CTT550

ccaccgagac cttgggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
tgggtgtgcc cgctgaga 258

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<213> Glycine max  
  
<223> Clone ID: 700892331H1  
  
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atgggtgtgc ccgctgagaa 260

<210> 33629  
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<213> Glycine max  
  
<223> Clone ID: 700892333H1  
  
<400> 33629

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agtttgcaga gaaaatctga atcatgtcgt ggcaagcgta tgtcgacgat caccttctgt 120  
gtgacatcga aggtaaccac ctcaactcag ctgctatcat cggccaagac ggcagcgttt 180  
gggctcagag taccgacttc cctcagttca aacctgagga gataactgcc atcatgactg 240  
actttaatga gcctgga 257

<210> 33630  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892334H1  
  
<400> 33630

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 gcacagagcg aggggtggag tacttccatg gacaataaga ctcaccattg ctactgaaac 180  
 cgctaattgct atagcatatc tccattccgc aaatgatcat ccaatttatc atagagacat 240  
 acaatccagc gacata 256

<210> 33631  
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 <213> Glycine max

<223> Clone ID: 700892336H1

<400> 33631

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 tgtatacact ggtgttgatt tttgtaaaag gttgtgtggt gtctctgtta tcagaagtgg 180  
 ggagagtatg gagaatgctt tgagagcatg ctgtaaaggt atcaagattg ggaaaatttt 240  
 aattcacaga 250

<210> 33632  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892337H1

<400> 33632

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 ccatgcccat gcacatgcct ttacccatgc agatgcagat gcagatgccc ctcccatgc 180  
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 acgacgagaa t 251

<210> 33633  
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<212> DNA  
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 aggggaagat gagcatgaag aatcaccttc catcaagagg gagctctctg attttgatct 180  
 ccaagtcttc gaagttgctg caagcaaagg aggatatgat ccatcaagtg aagagataaa 240  
 ataccctagt ttat 254

<210> 33634  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892339H1  
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 ccgaactgaa cgaggttctg acacgtgagt tggcgaggga cggttactcc ggcgtggagg 180  
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 tcggtgaga 249

<210> 33635  
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 <223> Clone ID: 700892340H1  
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 ccggactgaa cgatgttctg acacgtgagt tgg 153

<210> 33636  
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 <213> Glycine max

<223> Clone ID: 700892342H1

<400> 33636

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 gcttttgctc attcgctca ctcattatct cccaaaatct catttccacg atcatcgttt 180

<210> 33637  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892344H1

<400> 33637

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 ctattgcctt gaacacggca ttcagcccga tgggcagatg ccgagtgaca agaccgttgg 180  
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 tcgcgccgctc t 251

<210> 33638  
 <211> 256  
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<223> Clone ID: 700892345H1

<400> 33638

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 gtgttgagta ttggcagcaa gacaagtgga atggttgctt tcctcttaag tggcacattg 180  
 ttaaggatgt tcctaacaat ttgttgaggc acattacctt ggacaacaat gagaacaaac 240  
 ctgtcactaa cagtag 256

<210> 33639  
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 <213> Glycine max

<223> Clone ID: 700892346H1

<400> 33639

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 tatatttcta gtatgaatgt catgtagtgc ttaatgtagc ttgactgttg aatggggatt 180  
 tgagcaggct ttatttagta ttcagatagt tatgaaatca aaattgactt cagtgtgta 237

<210> 33640  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892348H1

<400> 33640

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 atagtttgat tggaggagat gactttaaga gtggtcagac caaaatgaaa tcggtgttgg 180  
 tggatttcct agtaggggcc ggcacatcaagc caacatctat agtgagtcac aaccatttgg 240  
 gacacaatga tggcatg 257

<210> 33641  
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 <213> Glycine max

<223> Clone ID: 700892349H1

<400> 33641

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 tagagtttgt atatttgggg gaaaagcatt tgctacatat gtgcaagcca agagaattgt 180

gaaatttatt acagatgttg gggcaacagt aaatcatgat cctgaaatag gagatctact 240  
taaggttggtt tttgtcc 257

<210> 33642  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892350H1

<400> 33642

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ataggagctg aacgaatttc acacactatg caatttgcag gaatccagca gggatgatgct 120  
atggagacat ccaccctgct tattgaggca agtgcacttg ctgttccttg taaccctgat 180  
caggcaagaa gccattttga ctacatgata aaattggggc ataagcctga tgataggtgc 240  
accgctagca tga 253

<210> 33643  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892352H1

<400> 33643

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agcagaattt ttttcattgc gtgggtcccct gacacatcaa gggatgaggag caagatgatt 180  
tatgcaagct ccaaagacag attcaagagg gagctggatg gaattcaagt agagttgcaa 240  
gcaactgatc 250

<210> 33644  
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<223> Clone ID: 700892353H1

<400> 33644

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 ataaggattt g 131

<210> 33645  
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 <212> DNA  
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<223> Clone ID: 700892354H1

<400> 33645

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 gtcattatcg taaatggtaa tgtgggcca atgttggtgc ataattttta aaagtacaat 180  
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 tataatttaa t 251

<210> 33646  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892355H1

<400> 33646

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 tatgaggaaa gaactcccaa aaattgatag gaagtgccgt atgacactct aaacacagcg 180  
 ccaattttta gaacgctctc atccaccgat gtcacgggc gagagcggtc tttgtggtgc 240  
 tgtgtgtgt 249

<210> 33647  
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 <212> DNA  
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<223> Clone ID: 700892356H1

<400> 33647

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<210> 33648

<211> 248

<212> DNA

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<223> Clone ID: 700892357H1

<400> 33648

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gctggccacc caactttcct tttggtgagg gagtccactc tctccaaccc cgcaaaatca 180  
cccctcatcg acaatttcaa aggcctcggt gtcaatcttg ttttaggaga tctatacgat 240  
caccaaag 248

<210> 33649

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892359H1

<400> 33649

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gtactttgac ctgccattct gtgtaacagg tcatgagaaa gataagactg atgccctcgg 120  
tgaggtgtta aatggcgatc gccttgtttag tgctccttat gaacttagtt tcaagaagga 180  
gaaagactct aaggttgtat gcaagaggaa gctcaciaag gagcaagttg ctcagttccg 240  
agaagcagtt aa 252

<210> 33650

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892360H1



**SECRET**

<223> Clone ID: 700892362H1

<223> Clone ID: 700892329H1

13697

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 <212> DNA  
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<223> Clone ID: 700892363H1

<400> 33653

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 ttcaaccgct ggagcttcga cgacgttgag gttactgata tgtctctggc tgattacatt 180  
 ggagtgtccc cgtcaaagca tgctacatat gttccgcaca ctgctggtag gtactcagtg 240  
 aagaggttca ggaa 254

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<223> Clone ID: 700892295H1

<400> 33654

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 gctacatctc tatctgcagg agttggggaa gaaggaattt atcggtcac tatagcttat 180  
 gtctttgtca tgtccatata cctcacagac tctggtatag ataagatctt tgatatcatt 240  
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<210> 33655  
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 <213> Glycine max

<223> Clone ID: 700892296H1

<400> 33655

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 tgtgatcagg gatattcatt ttaataaaaa caacaaccac actttctccg tttctcgtgg 180

ttcatgctat ggcggcagag gcggtttgt tcttttctgt ggcattcagt gtggaggacg 240  
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<223> Clone ID: 700892301H1

<400> 33656

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 cctgaatgat atcaaagggtt accaaccctta tcgatgctgt caacatcggc caactcggca 180  
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 cataactgac cttaa 255

<210> 33657  
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 <212> DNA  
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<223> Clone ID: 700892304H1

<400> 33657

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 atgtttgctg gaaaacctct gtatgttgcc cttgcacaga gaaaagccga gagaagagca 180  
 cggttacagg cacaattttc acagatgagg cctgttgcaa taacgccttc tgttgcgccc 240  
 cgtatgcctc t 251

<210> 33658  
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<223> Clone ID: 700892305H1

<400> 33658

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 ttagtaccaa ttcaggagca gcaacaagaa caaccaagga actcaaata gaattctctg 180  
 gaactatacc aagagcaaca acaccaaccc tcaaggaatt ccacctcagg agttgtagtt 240  
 accacaaatt gggagt 256

<210> 33659  
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 <213> Glycine max

<223> Clone ID: 700892306H1

<400> 33659

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 gcatacatat gtactagata cgatagagca cctgagctca tatttggcgc aactgaatat 180  
 acttcagcca ttgacatctg gtctgttga tgtattccag ctgagctgct gcttggacag 240  
 cctctgtt 248

<210> 33660  
 <211> 258  
 <212> DNA  
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<223> Clone ID: 700892307H1

<400> 33660

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 gcaaatatct taattgtaat taactccaac tgtgtatata taaatcatga aacatgtaag 180  
 tagcatgcaa aaaaagggtg tcgaatcttt atttgagacc tttatatttt cgttgtacaa 240  
 aaaatttctc tgtaaaaa 258

<210> 33661  
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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892308H1  
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 gtgactcact gaacaacttt ccgaagcatt gagtagtagt gattgggtgg taacaaagag 180  
 agagagagag agaaaaggat gaaccagaac ccgcaatcga gtgaaggccg gaacgatgac 240  
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<210> 33662  
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 <212> DNA  
 <213> Glycine max  
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 actggagaaa atcaatggga agcggcgagc aacactcagt ggaaactctt ttgtcaatcc 180  
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 ccctaccaag cctctta 257

<210> 33663  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892311H1  
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 cgatttagag tttccagaaa agaaattgat tttcagtcag tatcagatgg atcattttgc 120  
 agcacatgaa gagcaacttg cttcacagag aatgaggcag aaacttgaag aagtaaattgt 180  
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<210> 33664  
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<223> Clone ID: 700892312H1

<400> 33664

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catatgtata aactgaaat tgttccatgg ccttgtaat gacgggctga gttgatttta 180  
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cttaaatgtt ttt 253

<210> 33665  
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<212> DNA  
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<223> Clone ID: 700892313H1

<400> 33665

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acatcaaact gtatgtccgc cgtgtcttca tcatggacaa ctgtgaggag ttgatgcctg 180  
aatatcttag ctttgtaag ggtattgtgg attctgagga tcttctctc aacatttcta 240  
gagaaatgct gcagcaga 258

<210> 33666  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892314H1

<400> 33666

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 ccaccacctt tgcctcaagg acttccacca ccaccgccac cagaggaggc tcctccccc 180  
 ctcccagaag aaccagaacc aaagaggcag aaacttgatg attctgctct gatccccgaa 240  
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<210> 33667  
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 <213> Glycine max

<223> Clone ID: 700892315H1

<400> 33667

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<210> 33668  
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 <213> Glycine max

<223> Clone ID: 700892316H1

<400> 33668

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<210> 33669  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892317H1

<400> 33669

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 aagatggaaa acctattcaa cttaaggaag gacaagaaat caccataact actgattatg 180

acattaaagg ggatcaggag atgatatcca taagttacca gaagctgcct gtccacttgc 240  
agcctggaaa caccatattg t 261

<210> 33670  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892318H1  
  
<400> 33670

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actccacagc tatggatatt gagcacatag caatgctaaa caatttagag aaagctcgga 120  
cttttttaaaa agcaggagtc acaaagcaat tggcttacta gaaaacgtgc tctacagctt 180  
gtggttgaag acagtgatac ggccaacccc a 211

<210> 33671  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892319H1  
  
<400> 33671

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cataaaacta ttgatagtgt gctagctaga ggggagaagc tggatagttt agttgagaag 180  
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acatgaacac atcatccttt agaaaaccac ttttacttat gaaaaataaa atcacattaa 180  
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<223> Clone ID: 700892325H1

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tttgctaccg ctgttccac acctcccaca tcaccgccat catcatcacc agcttcttcc 180  
gccacaagcc ttagaattat actattccca cctccctctt ttcttcaaca acaaccgttg 240  
acttcactac agtca 255

<210> 33678  
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<212> DNA  
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<223> Clone ID: 700892326H1

<400> 33678

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cagcccatg ctgcagctgt tagtgggttca tctgatcttc ctgtggcaaa tgcaagggat 180  
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aaagctgggg gtt 253

<210> 33679  
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<223> Clone ID: 700892294H1

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atgcacttct cgacatgtcc accgatgaac tcgtcaagat gttcagtgcc cgcgctcgta 180  
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cgaaaagg 248

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<223> Clone ID: 700892328H1

<400> 33680

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<223> Clone ID: 700892261H1

<400> 33681

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 tgatatatgg aggatgctaa agttagctga ttttttggtg tttattttcc tgtttgaaca 180  
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<223> Clone ID: 700892262H1

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 gttaagtctg tggaaatgca ccatgaagct ctcacagagg ctcttcccggtgataatgtt 180  
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<223> Clone ID: 700892263H1

<400> 33683

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 ttctgcatta tgggatcctt ctcataactg tgagtcctcc agtgtggagt atatcaggca 180

ccttctatca gcttct

196

&lt;210&gt; 33684

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892264H1

&lt;400&gt; 33684

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aagccaagct ttccattgtc gaattccaac cacagtgcgt cacaaaacac cccacagaac 180

gatgtgaaag aacttccact tgagaacacc aatttactat cttccccttc tgttccaact 240

cctccctgca gcttag 256

&lt;210&gt; 33685

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892265H1

&lt;400&gt; 33685

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ctcttcacca ctctccactt ccttegettc tctctcagcc tctgcaacct ccactctttc 180

cccaaccctt tctg 194

&lt;210&gt; 33686

&lt;211&gt; 213

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892266H1

&lt;400&gt; 33686

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cctcgatcat gtctcacttc aagggaagt accatgatga gcttattgcc aatgctgctt 120

acattggcac tcttggaag ggtattcttg ctgctgatga gtcaacagg acaattggca 180  
agcgtttggc cagcatcagt gtagaagatg ttg 213

<210> 33687  
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<223> Clone ID: 700892267H1

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caagactatt accctagaag tcgaaagctc cgacaccatc gacaacgtca aggctaagat 240  
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<223> Clone ID: 700892269H1

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atgcaaatga tgcctacatc acaatcaagt agtccttttc ctgcagtttt catggcaaag 180  
caggagaaat ataattcaaa acttgctgag atgttccaga aagtggaaga tcacgagtca 240  
ggtgaccaa gatcatg 257

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<223> Clone ID: 700892270H1

<400> 33689

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gttgacagatc cgaataaggc tttcatgact agaaagatga gagcaacact aaagggata 180  
gcaagacatt ttccacagc aatcgtgact ggaaggtgca gagacaaggc atataacttt 240  
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ctggaggcga ccttgccaag gtgcagaggc cagtttgcac gatttcaaac tccaccagt 180  
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<223> Clone ID: 700892272H1

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gaagcatggt tttgattact tcacggacag aacacctcga tcatattttg aagaaagga 180  
agcctcactt gtatggagtt acagacatgc agatgctgaa tttgg 225

<210> 33692  
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<223> Clone ID: 700892273H1

<400> 33692

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<210> 33693

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700892275H1

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<210> 33694

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700892276H1

<400> 33694

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<210> 33695

<211> 254



<212> DNA  
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<223> Clone ID: 700892277H1

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 agttaaaagt ctatccaaga gtggaaatcc tagaaaggac caggccacaa atccagtacc 180  
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<223> Clone ID: 700892280H1

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<223> Clone ID: 700892281H1

<400> 33697

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 gagagaacct tgacaactca ggactatatc tgttttgttg ccatgagtat caattagcag 180  
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cacttgaact actat

255

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&lt;223&gt; Clone ID: 700892284H1

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 ttgctatca tattgtcac tggtatagtt aaggcagcga cgcttcccct gacaaagcaa 180  
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&lt;223&gt; Clone ID: 700892285H1

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70

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<223> Clone ID: 700892286H1

<400> 33701

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<210> 33702  
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<223> Clone ID: 700892287H1

<400> 33702

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gaacctgcag ctcttgaaag tggtgctatc agagctgata agaagagtta tagttacaag 180  
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<210> 33703  
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<212> DNA  
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<223> Clone ID: 700892289H1

<400> 33703

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cggcgctcgc cgcg 254

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<212> DNA  
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<223> Clone ID: 700892290H1

<400> 33704

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cggcgccgcc actc 254

<210> 33705  
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<223> Clone ID: 700892292H1

<400> 33705

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tgcagttgat gctgctcggg gattggaata ttacatgag aaagttcaac caccgattat 240  
acacagggat a 251

<210> 33706  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892260H1

<400> 33706

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 agggcgtagg gcggagcggc aagccccctc actacaaggc ctcgtccttc caccgcgtga 240  
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<210> 33707

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700892293H1

<400> 33707

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 aaaggagatt caaggtgctc aaccaggacc aactcttgat tggatacagc gagttagaat 180  
 tgcagttgat gctgctcggg gattggaata ttacatgag aaagttcaac caccgattat 240  
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<210> 33708

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892225H1

<400> 33708

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<223> Clone ID: 700892226H1

<400> 33709

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<223> Clone ID: 700892227H1

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<223> Clone ID: 700892228H1

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262

<210> 33712

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892229H1

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tgtcacacta gtggccggaa agaacacaat tgatctcttg agtttaaccg tgggacttca 120

gaactatgga gccttttttg acacatgggg agcggggatc actgggtccag tgatattgaa 180

aggtttggca aatggcaaca cacttgatct ctctaccag aagtggactt atcaggttgg 240

cctcaaaggg gaagacttag 260

<210> 33713

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892230H1

<400> 33713

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ctatattgaa atatcttcac ctcttaaga gaacgtagtg ttgttcaggt tcttcaaaaa 120

agttttgggt taaattgtgc atattatggt aaacaaaaca tggagctaga tatatattat 180

cttgcttgct acataaagct gtgagaaaat ggtattttgc cgtggacttg gttatatggt 240

gcttgactct attggctcca 260

<210> 33714

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892231H1

<400> 33714

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ggttctaagt gagctacagg aacatagaac aaacatacat ggggactgcc gctactttct 120  
tctgcattat gggatccttc tcataactgt gattcctcca gtgtggagtt tatcaggcac 180  
ctatctatca gtttctaagt catcttctct tggtttgaag tttaactgcc aacaattttg 240  
caagggaaga tcaaaattgc ca 262

<210> 33715  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892233H1

<400> 33715

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cggggctcac ttctgtaact cttgtggtga acaaattgga cttgatgcta atggggaggt 120  
gtttgtggct tgtcatgagt gttattttcc aatttgcaag gcttgttttg aatatgaaat 180  
caatgagggg cgtaaagtct gcttgagatg tgccactccc tatgct 226

<210> 33716  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892234H1

<400> 33716

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ggttcaagga ggtaatattg acccctacac atttggtat tgtgatggaa tacgcttctg 120  
gaggagagtt atttgagcgg atatgcaatg caggacggtt tagtgaggat gaggcacgct 180  
tcttcttcca acaacttata tcaggggtta gctactgtca tgcaatgcaa gtatgccatc 240  
gtgacttgaa gttggagaa 259

<210> 33717  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892236H1



<400> 33717  
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 taatattcaa agttcttagt ccagaccaag cttatgctgc aattgatctt ccaattcttg 180  
 gtcttctttt tgggactatg gctgtcacta cttttcttga aagagcaaac atgttcaagt 240  
 acttggggaa attgctttct tg 262

<210> 33718  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892237H1

<400> 33718  
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 taggatcatc atacaagtcc ttgatgactc cactgaccca acaatcaagg agttggtgca 180  
 gcttgaatgc caaagatggg caagcaaagg ggtgaacata aagtatgagg ttagggacaa 240  
 taggaatggg tacaaagcag 260

<210> 33719  
 <211> 262  
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 <213> Glycine max

<223> Clone ID: 700892238H1

<400> 33719  
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 accaaatgaa aaatattggg ttgttttttc ttgtggtggt ggctactttt gtggtggcag 180  
 ccacagctgg tagcttttac caagactttg aaataacgtg ggggtggtgag cgtgccaaaa 240  
 tctatgagaa tggaaacctt ct 262

<210> 33720  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892239H1

<400> 33720

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 tctagatttg ctgaagaatg ctgagagtaa tgctgaagtg aaaggtttgg atgtcgatgc 180  
 tctgtacatt tc 192

<210> 33721  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892241H1

<400> 33721

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 gtgggagaca cctcaggttg ggcaactcggg gctgattaca gtacatgggc cagtggcttg 180  
 aaattgaaag tcggagatag tcttgttttc aattatgggg ctgggtcacac agtggacgaa 240  
 gtgaaagaaa gtgattacaa g 261

<210> 33722  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892243H1

<400> 33722

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 gctgatttca gatcaggata tattatgaat actagcattg ctgggtcttga aaaagcggat 180  
 gcgttctctg tgggtggcac ccagccacgg gtggaagctg ccatgggttaa tgccagaata 240

cgcaaaactg tcagagca

258

<210> 33723  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892244H1  
  
<400> 33723

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tgtgaatgga tttggaattt aaattgtgtg aatatttttt aattgtttgt tgagaagcat 120  
tgaattggat tttacttgag gagtagtata ttatggagaa cgtgtgtgat gttaatcact 180  
tggaatgcga tgttcttttg cccctcgga agcgtcttct tgctgggttg aaaaaacaga 240  
gttcagatgg tgatgctg 258

<210> 33724  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892245H1  
  
<400> 33724

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ggtgaagatt gcccttaagt tgaagggagt tgaatacaaa tatgtggaag aaaatttggc 120  
caacaagagt gatttgcttc tcaaatacaa cccagttcac aagaaagttc cagtttttat 180  
tcacaatgag aagcccatag cagagtctct tgtgattgtt gagtacattg atgagacatg 240  
gaagaacaac cccatctt 258

<210> 33725  
<211> 241  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892247H1  
  
<400> 33725

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aggagaaatg ggggtgacat tcaccaagct tttcagccgg cttttcgcca agaaggaaat 120  
gcgaattctg atgggtgggtc tcgatgcagc tggttaagacc accatcctgt acaagctcaa 180  
acttgagag atcgttacca caattccac cattgggttc aatgtggaga ctgtggaata 240  
c 241

<210> 33726  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892250H1

<400> 33726  
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tctagtgtc ctcctcctct tctctctagc caaagggtt cacaacccca aatgtgatgc 120  
tgcctatcaa catgaccatg atggctcaac cctccaagtg ttccatgtgt tcagcccttg 180  
ttccccattc aggccctcaa aaccaatgtc atgggaagag agtgtcctac agctacaagc 240  
caaggaccaa gccaggatgc a 261

<210> 33727  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892251H1

<400> 33727  
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ctcctcttat tggacccgac actgtatcaa ccatgccaga ccaagccctt caagcattta 120  
ttgatcatgg taccgtatcc aggacaatag actcaatgca tctgaagctg aaggaatata 180  
caatgtcttc cagaaattgg gtattgactg gagctttgtt ggttcccagc ttgaacttga 240  
aggagtggac tcgtttaaga 260

<210> 33728  
<211> 182  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892252H1

<400> 33728

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 ttggcccaac gtggtagaaa tggacaatgt gtcctgaac tgcaacaagc tgcagcattg 120  
 tttaaccac aactggaaca aatgttgcta caactcacca ggaaaattgg aagtgcggtt 180  
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<210> 33729

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700892253H1

<400> 33729

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 tatgctagaa ttatccaaaa gcttggtttc ccagctaaat ttaaggattt taagattcag 120  
 aatattgttg gctcttgta tgtaaagttc cccattcgac tggagggtct tgcctattcc 180  
 catggtgctt tctcaagtta tgaaccagag ttgtttcctg gactaatcta tcgcatgaag 240  
 caaccaaga tagtcttg 258

<210> 33730

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892256H1

<400> 33730

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 agaccagaa caagtatgag agctctgagg tttaggtcca ggatcgtggt gtttttgact 120  
 ttctcggtaa gaaaaaggat gaagaagaca agcctcatcc tcaggaggag gtcatcgcca 180  
 ccgagtttca aaaagtcact gtctcagacc aaggagagaa caagcacagc ctcttagaaa 240  
 agcttcaccg atctgacag 259

<210> 33731  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892257H1

<400> 33731

caccatactg tgttttatct ttctctccct ccttcatttt catttacttc tctggaggta 60  
tataactatt attctttttt tttttttaaa cataaaaatt gttaatcttt tgccatggga 120  
accagatatt tgcggcctca ggactgtttc gtagaacgaa tcatgtctcc tcccgctgac 180  
ttttcccggc ggaggagtgc cggttaactac tgtaattatt attaccacag caaccatgtt 240  
gccacttcca ggtcgtgc 258

<210> 33732  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892259H1

<400> 33732

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ggtttgaggaga ctgcaggagg agtcatgact gtgttgattc ccagaaacac aaccattccc 120  
accaagaagg agcaggtgtt ctcaacctac tctgacaacc agcccgtgtg gttgattcag 180  
gtctatgaag gtgaacgaac gaggactcgt gacaacaatt tgcttgaggaa atttgagtta 240  
tctggaattc ct 252

<210> 33733  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892224H1

<400> 33733

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aacggtggcg cctttgattt tatcgaagaa aacggaaacg ggagcgactc ggactcgaat 120  
tctgatgacg cgccggagta ctaccagccg atctccgccc tggaagacag tgggagttcg 180

gacgacgagc acgacggtga attcggacac ctcccgaacg gttttgccgc gcacggcgtg 240  
gtggagaacg ggatctcgtc tctgg 265

<210> 33734  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892186H1

<400> 33734

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ttggatgcaa aaggcattta tccaaatctt tcaaagcttg ctttagctct tgaaaagaac 120  
ttgttagtta cttctacatt gacaatctgc actgatccat acccacaagc tacagaaaaa 180  
gagccagatg accaagagaa ggcaagtga aagcagcagc agcagcaaca atctgatagt 240  
g 241

<210> 33735  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892187H1

<400> 33735

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tggcctgaag tcaatgtgga agagtccaaa tgggactatt aggaacattt tgaatggaac 120  
tgtcttcaga gaaccaattc tttgcaaaaa cattccccgc cttgttcttg gttggaaaag 180  
gcaatatgta ttggaaggca tgcgttttgt gatcaatatc gggctactga cactgtaa 238

<210> 33736  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892188H1

<400> 33736

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aggttctcgt gtgtttgtcc aggaagagat ctatgatgaa tttgagaaga agttggtgga 120  
gaaggcaaaa tcttgggtcg ttggggatcc ttttgatccc aaatcgctgc aagggcctca 180  
ggctgacagg aaccaattgg agaaaatact ttcatatatt gagcacggaa agagagaagg 240

<210> 33737  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892189H1

<400> 33737

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acaaggccat gggagcagaa ttatggaaac agcacctatg gaggatatgg gtctacaatg 120  
aattataatt ctgggtatgg atctggaatg tatggatctt cttatggtgg actaggagga 180  
ggaatgtatg gatcatctta tgggtgggggg atgtatggta acagtatgta caggggag 238

<210> 33738  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892190H1

<400> 33738

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atccagtact gatgcatctg aactattgga agctgtgggtt aaaattgtga atgaatgtct 120  
agctgaagtg cctcgatttg gatttgaaga accaaaatca gctcttgga cttcgagggt 180  
ctcgaaatca ttagtcgctg caacggaggt ccttccggga gattttggac acttag 236

<210> 33739  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892192H1

<400> 33739

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agagaaaatg gcccgatcat ttatcaaagg ccaatcttcg gtagaagaga aggttccttt 120  
 ggaacactta tatctatttc agtataccgg gtctcttaca tacatgtcaa aaaatttata 180  
 gaatttcgat tttgacatga aagaaaagtg tggggataaa tatatatgac aatgagatat 240  
 t 241

<210> 33740  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892194H1

<400> 33740

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 acgatgaccc tttgattaac ccctttgtgg aggaggctcc ggggtattgaa ggggttgctt 120  
 gcgatagggt tcttgttact gttgcggaga aagacatact gagggaaagg gggaagcttt 180  
 atcacaaaat gttgagcaac agtgactgga gaggaactgc tgagttccac gagactccag 240  
 g 241

<210> 33741  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892195H1

<400> 33741

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 gtgaatctgg gggtaataat ctgagttctc atttcattag ggactcggct gtttagttat 180  
 ttacat 186

<210> 33742  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892196H1

<400> 33742

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atctgattca agtccatgaa gccacaatca tcgtctttga atccatatgc aacgtcatat 120  
gttcctctct ctaaaagggg ggtagatggt agaacacctt cgactgaaaa agattccaag 180  
acttataatg ggacagtatg gtttcagact catcaggggt ccacaaatga tccacaactt 240  
at 242

<210> 33743

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700892201H1

<400> 33743

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gaagcgcca gcgtagtaac gctgaggacc ttcactctca agttttcaac cgtttgtttt 120  
ctatataata tccctaaccg ccgtggatgg gacaatctgt ttcctccgcc gccgtcgcaa 180  
gccgtcgtga 190

<210> 33744

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700892202H1

<400> 33744

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ccagaaatgc cctctatttc ttttcaaatt cctatgccag ggaggaatcg atctggtggt 120  
ctctaccctt ggggatggag gcaaagagca ataataccac agcacaccgt gcgaaactct 180  
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tgtatgaaaa tgtgaaacgt ttgaac 266

<210> 33745

<211> 264

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700892203H1

<400> 33745

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 caaaactcca tgaagtcatt gatgaatcac tagttgggaa ggggtgtagac caggagcttt 180  
 tccaattttct gaaggttgca agcaactgtg ttacagcaat gccaaaggag aggcctacca 240  
 tgtttgaagt ataccagttt ctaa 264

<210> 33746  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892204H1

<400> 33746

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 aatcagtgac ttccacatct tctggtaaca atttatctga caatattggt aaatcttctt 180  
 ttagttactt aaaaagaagt tataagccaa cctcatgttg cccagttgtc aaaacacctt 240  
 caagggttgc ttcaagacat aaagctg 267

<210> 33747  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892205H1

<400> 33747

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 ggagcaggaa ctgtccaaga acttgaggga cttaattcct acgtcactgg atcttccgat 120  
 tccaaattgg cactcatcct ggtttctgat gtttttgggt atgaagcacc aaaactaagg 180  
 aaacttgagg acaaagtagc agcagctgga ttcttggttg ttgttctga tcttctgat 240

ggtgattaca ttgttgacct taat

264

<210> 33748  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892206H1

<400> 33748

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aatgtcgttc gtgctgttct ggacatttgc ctatgacatt gttcatatat tttgatggac 120  
ggaatgtgca aatgtttcaa gtgaaggtta ttttgacatc cgttgcttct gttgatcctt 180  
gccagaatgc agttacatcc accagttacc agatagcttt cataatgttc ccgttttttaa 240  
actattgaga ttactatca gaatt 265

<210> 33749  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892207H1

<400> 33749

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aatattttga ttattggtct tgtattgaca aatgtgttgc accgaagcta ttcaccaaac 120  
tgaagtaatg gagaaggatt tgatggctta ttatcgttgc attctgttct gttttcattc 180  
ccagataact tcgtctaaac attcaatgtt ataataacca aactatatgt cctgtatgga 240  
taatattgtg ttactgtga agttttg 267

<210> 33750  
<211> 140  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892208H1

<400> 33750

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ataaagtcac ataccgtgac tttaaaacgt caaatatcct actcgataca aactataatg 120  
ccaaactttc tgattttggg 140

<210> 33751  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892210H1

<400> 33751

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tttggtgttc tacacctccg atttgataag gatatggcag cccattcggc ctgcgatttt 120  
ggtggaggaa aagctgaaaa attggccctt gcaaagtata gacagggttat ttggcaaggg 180  
agggttctta attcccaatt cactgatgaa gagttgagga gtcaaggccg ttgccctatg 240  
acaccggaag aggttggatt gtt 263

<210> 33752  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892211H1

<400> 33752

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aattttgatt ttaccatcga tatacgacac aacatcgcaa tttctcgcg gtcgttttga 120  
taactggcga aatcgacga taccgacagc gtcgtgcggt aatacgacac atttggtgtt 180  
tgatcatgtt agccaagaga ttaagctctt ttttcaaact ctccccaaaa cctcagattt 240  
ccacttccat gaagaaagtg gatg 264

<210> 33753  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892213H1

<400> 33753

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 ggcgaaagcc atgacgctcc tcaaaatcag aggaaaattc cgcttgcac ctccatgcta 180  
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 <213> Glycine max

<223> Clone ID: 700892214H1

<400> 33754

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 atttgtcaca aataccccct acaaaaagac ggcacgtaca gaatgaggag agtgcacggg 180  
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 <212> DNA  
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<223> Clone ID: 700892217H1

<400> 33755

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 ctgcggaggc tgaaagatgt acccagactt gagctacact gagtcaacca cacaccgaga 180  
 ctttggtcat gggcg 195

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<223> Clone ID: 700892218H1

<400> 33756

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<211> 89

<212> DNA

<213> Glycine max

<223> Clone ID: 700892219H1

<400> 33757

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atTTTTTACAA ttaaggagga aatagggtt 89

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<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700892220H1

<400> 33758

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gectggcgtc tctgcctcca ccgaaccctt ccggaactgt gtacagcgct tctctctca 180

ccatgcgcgc atcactttcc ctcctctgct ctttccttca ctcatgacgt ctcagatctt 240

gttccgtgtc ggagacctcc ttgacgctcc 270

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<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700892222H1

<400> 33759

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 ggcgcaagag cagcagtgtg ggagaacttt aaggacaatc tgctgtttga catctccact 180  
 gagcatccaa ccacttacta cgaggacatg caaagagccg tgttttgtct gtgccactt 240  
 ggatgggccc cttggag 257

<210> 33760  
 <211> 158  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892223H1  
 <400> 33760

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 tcagaatcat cgttttctga actccaattg ataccaag 158

<210> 33761  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892185H1  
 <400> 33761

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 tgcgcaagtt gaacgccatc agaaatcggc ttcagctaata caacaagcct cctgttaaga 180  
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<210> 33762  
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 <213> Glycine max  
 <223> Clone ID: 700892146H1  
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 cttgagacct aactggcctt tgagggtctt aaatctctgg ttgatgttgg tggaggaact 180  
 ggagccgtag tcaacatgat tgtctcaaag tatcccacta tcaagggcat taattttgat 240  
 ttgc 244

<210> 33763  
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 <223> Clone ID: 700892147H1  
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 aaccttcttt tcctttctct tcttctctct tcaagttcaa acccacatcc atcaaatgcg 180  
 ccaccaactc cacacccaag ctccgccct caccactcc caagatcgcg tcttcaactt 240  
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<210> 33764  
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 <223> Clone ID: 700892148H1  
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 atgtggatga tgggtatggc cagagatttg agagggtcc tcctctctct cctcctcccc 180  
 atctaagtta ccgtgaagga cgccccgag attatgatgc tctgtctggc tcaaacggtt 240  
 cttatgctg 249

<210> 33765  
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 <212> DNA  
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<223> Clone ID: 700892150H1

<400> 33765

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ttggcctggt ctttcataga tctgatgcat ggaggctcag atctactgta cagaggtgtg 180
cgattcatgt tcgtctctct tttggaatct gtttcgtaga aagtcgtttg gtcttccatg 240
tcgcat 246
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<210> 33766

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892151H1

<400> 33766

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ggaatcgatt tgggaacgac gtactcttgc gtcggcgtgt ggcaacacga tcgtgttgaa 180
atcatagcca acgatcaggg taacagaact accccatcct acgtggcttt caccgacaca 240
gaa 243
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<210> 33767

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892152H1

<400> 33767

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tggggagaga ccctcttttg gtgtttggtg agggagagta tgggtgcact gacatgtttt 120
atgctgcagc caggggcaag aactgtgagg tctttaagct cctgcttcat tctgctcttt 180
caagaaagga gtgccttggt ggcagtgaag cagaattgga agagaagttg gatgaagggt 240
c 241
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<210> 33768  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892153H1

<400> 33768

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 gataatgtat attgaaatgg attgcatcta tgaaaacttt tgtgggtttg cttttcactg 180  
 cctgttttct gggtaagatt atgtttctgt tatgaggggc tagggaaggg aggtgtctta 240  
 att 243

<210> 33769  
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<223> Clone ID: 700892155H1

<400> 33769

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 acactctgat ttctcaactg ggtatctcga agatgctttg attgaatcat gtgagcgttc 180  
 aaaacgtaga cgtgtgttgc catgtgctac tgatgaacat agcaagagtt tcattgatga 240  
 cctt 244

<210> 33770  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892156H1

<400> 33770

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gcacctacga atacttctcc gcagagaggc caatctctcg tggtagcacc ccgagaagga 180  
 ggaaatctcg cgctcccaaa gctcccttcg gtggccgaaa ccatagcgaa ctcgatccct 240  
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<210> 33771  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892158H1  
 <400> 33771

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 ccgttgattt cgtgacaaat gaacggtggc gatgaggtcg tggcagctcc ggcgggtcgc 180  
 cgcacctctt ggagtggaaa ttttcgcagg ttttcggaga acgcacg 227

<210> 33772  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892159H1  
 <400> 33772

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 tgtgttggat ggaaaagcgt tttatgtgaa tgggtggaac tcttactggc taatggttca 180  
 gtcggtggat gtttattcga gatccaaggt tcgagaaatg atgaaaaccg gtgctaagat 240  
 gg 242

<210> 33773  
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 <223> Clone ID: 700892162H1  
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 gcgataagga tactgttact gatgcggaga aagacatact gaaggaatag gggaaacttta 180  
 tcacaaaatg ttggagctac agtgactgga gaggaaatgc tgat 224

<210> 33774  
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 <213> Glycine max

<223> Clone ID: 700892163H1

<400> 33774

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 gtgtgctatt gtcataagtt ttcagttaat tactaactca aaagtttggt ttgtttgtgt 180  
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<210> 33775  
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 <213> Glycine max

<223> Clone ID: 700892165H1

<400> 33775

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 tagacctgtt gttgtgctgg agaagaacaa tgttgtacct gagcataatg agcattttca 180  
 ggtctactat aagttcaaca gtctttctat gctcaggag cctttgatgt tgattttctgg 240  
 ct 242

<210> 33776  
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 <212> DNA  
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<223> Clone ID: 700892166H1

<400> 33776

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aaggaggaga gcaggggcaa tgaggaccac gtggccatta taaaggagta caggggcaaa 180  
ttgaggctga actcagcaag atctgtgatg ggattttgaa cctccttgag tccaacctca 240  
ttc 243

<210> 33777

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892168H1

<400> 33777

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tctgagttag tgagcgatca tgtgtggtgg tgcgattatc tccgacttca ttccagcggg 180  
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<210> 33778

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892171H1

<400> 33778

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ttttgctttt attccgaatg gattgttagc agttccttcc accgtccccc cattcctttg 180  
gtcatcacat tatgaactgg cctctgaaaa tggattgaag gaatctgtaa attaccaagt 240  
cat 243

<210> 33779

<211> 74

<212> DNA  
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<223> Clone ID: 700892172H1

<400> 33779

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<223> Clone ID: 700892173H1

<400> 33780

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 tctacactaa aattttatttt tattgatcta atttttacaa ctgtgtttta gaaaccgaaa 180  
 aaagaagaga gaaataactg gcccgggtatt ctattatttt gcatacctgc tctttc 236

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<223> Clone ID: 700892175H1

<400> 33781

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<210> 33782  
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<223> Clone ID: 700892176H1

<400> 33782

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 ccaagctgag cgtggaggcc caggtgtggc aggctaaggc cggggcccaa gaggctacgg 180  
 cagtctccct ccagaccaaa ctgcagcaga cgatactgtc ccacggcggc gaagatcct 239

<210> 33783  
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 <212> DNA  
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 <400> 33783

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 aagtactctg ttgacttgag ttacgttgag aagacaatca tagagactct agtgttgggt 180  
 gtatggcctg tttaggccac attggtaggt gctgatatgg gtgttgcac tgat 234

<210> 33784  
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 <212> DNA  
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 <223> Clone ID: 700892179H1  
 <400> 33784

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<210> 33785  
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 <212> DNA  
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 <223> Clone ID: 700892180H1  
 <400> 33785



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gt 242

<210> 33786  
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<223> Clone ID: 700892142H1

<400> 33786

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aattgatggc tccccaagga tgggtccgac gtttggggcg atgatgatat cagggcagaa 180  
gcggctcatt tggcgttgaa ggcgttgggg aggaacaatg caattgatgg aacgtgtgga 240  
gttg 244

<210> 33787  
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<223> Clone ID: 700892181H1

<400> 33787

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<210> 33788  
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<223> Clone ID: 700892182H1

<400> 33788

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aatgttttg t 131

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<223> Clone ID: 700892183H1  
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caagcaagta gtccaaatgc taaccgggtc ctcggagaca gcaaagcaag ccgccgcgcc 180  
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<210> 33790  
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<212> DNA  
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<223> Clone ID: 700892184H1  
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actagctctt caaaaaaatg gttttgcct tccttgttac tctgactctt ccaaggttgc 180  
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<210> 33791  
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<223> Clone ID: 700892094H1  
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gacacgggca agattatctc aaaagcttct atagattaaa aaaaagattg g 171

<210> 33792  
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<223> Clone ID: 700892096H1

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<212> DNA  
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<223> Clone ID: 700892101H1

<400> 33793

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cagatgaaga taggattgaa tcgtttttgt ctgaagttaa gggtaaggat atagttgagc 180  
ttattgctgc cgtagggaaa agttggccac ggttccttct ggtgggtggtg gtgccgttgc 240  
cgtcgccgca gctcct 256

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<223> Clone ID: 700892102H1

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aaaagctatt gacgaataat ccatctccag atccaatctt gttagtagag tcacaaccaa 180

aaatgcgatg tttcttctcg aattgctgtg taagtttagt ccaccaagta gaagagattg 240  
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<212> DNA  
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<223> Clone ID: 700892103H1

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aaccatctaa caaatcattc agccagctga aactttctca cccagagcat gtattgggtca 180  
aacgggtaca tcagctgaag aaagttttga tagagcgcta caatcatttt cctcatgagt 240  
gtcgaatgatt g 251

<210> 33796  
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<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700892105H1

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tatatggaac tttcctcagc ccttgagaag atgttcagct gctttaccat tggtncaatg 180  
caattgctcc tggacttgcc tgggggaaag gatggactta agtg 224

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<223> Clone ID: 700892107H1

<400> 33797

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 atttgaagtt gcggatgcag ttggctacag tggcaacagg atttggggat gtcattgatg 120  
 catgtacaga agaaatggat aaggtcgctg acaatgcagc accactagtt ctgaggaagg 180  
 gtcattggtg agcttacctc cctttaatgt gaaagtttct actgtagatc atcataatga 240  
 ttggataat 249

<210> 33798  
 <211> 71  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892108H1

<400> 33798

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 tcgtgtgaag g 71

<210> 33799  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892111H1

<400> 33799

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 agaatttgct aggcaacagg gtgtggaggt tgtggacaac gagtacttta tcacacctga 120  
 caacgttggc atgctcaagc tggcaaagga agcaaacaca atcctgtttg attaccgaat 180  
 cccaacatcg gggtagaga cgtgcggatc cgggtgtggag agtccactgc aaatgaatgg 240  
 actcccaata a 251

<210> 33800  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892114H1

<400> 33800

ctgctcgagg ttctagatcg cgggcggccg ctcgcgatct agaaccggct cgagccacaa 60  
tacctaagtc tatatctatc ggtgtagtgt ggggagaaag gtag 104

<210> 33801  
<211> 132  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892115H1  
  
<400> 33801

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ctacacgagt gatggggact tttaggtatt tggctccaga ctatgcttct agtggacaac 120  
tgacagacaa at 132

<210> 33802  
<211> 51  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892116H1  
  
<400> 33802

cagaccctgg aacagtgctt gtctccaaaa gtgttgatcg atgaaggctt t 51

<210> 33803  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892118H1  
  
<400> 33803

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tcaaaagtgc tcttcggaag gtttatgatt tcaatgtaat gaaagttaaa ggaggcagaa 120  
tgggtgctgt aaatggcatg catcccaatg gtaagggtga tgagacctgt atgcagtctc 180  
gagaatatgg acaggtgtga cctatggtct tgctgtaca atgatacacg cggaatgga 240  
agaagaggc 249

<210> 33804

<211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892119H1

<400> 33804

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 attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180  
 cacctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa gaagaccttc 240  
 atccag 246

<210> 33805  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892120H1

<400> 33805

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 tgatatataa gttgatagtt ggaacattag tcttggtatg ataaagacct tgccaataat 120  
 ttgagttctg attcacagag ctaggacagt tatgtcttaa gactttgaaa ggtgtttaat 180  
 gatatttagc tttaataactt gaagcctact tacagtttat ttccaatttt atgggctatc 240  
 cccaaa 246

<210> 33806  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892121H1

<400> 33806

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 attgtctttg ttttgttgca tacggttcct gtcacttatg acaagtatga ggataagata 120  
 gaccctctgg cagagaaggc actcatcgag ttcaagaagc agtatgctgt gtttgacgaa 180

aagtcttgaa taagatcccg aaaggcccat tgaaagggaa gaagttagct tagtggttaa 240  
gcattt 246

<210> 33807  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892122H1  
  
<400> 33807

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cacccaatgg actcaacttt gatgaagtca atgtcccaca atccaaaaaa gtcctattct 120  
accgcattca caaggcactt tgccaaaaaa tctgggtttt tgatcaagat catggcttct 180  
gctacaccta cagcagctgc tatcaccttt ggattcaaga atttgttga aacattcact 240  
gttgatgt 248

<210> 33808  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892124H1  
  
<400> 33808

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cttagaagca actcaacccc cagaattcca gcgctgtatg gtgccattat ttcgtcgcat 120  
tgcacgttgt ttgaatagcc ctcattttca ggtggcagaa agagccttgt tcttgtggaa 180  
caatgatcac atcatgaact tgatcaaaca aaaccgaaaa gtgataatgc ccatcatctt 240  
ccctgcattg 250

<210> 33809  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892126H1  
  
<400> 33809



aaaaaaatgg gttcttcttc ttccatatgg accgtgtggt tgattttggc atcactggcc 60  
tctgcagcac tctgtgccaa ccctcgtaga ccagtggatg tacaatttgg ccgaaactac 120  
gtgcccacat gggcctttga tcacatcaaa tacttcaatg gaggttctga cattcagctt 180  
catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt gtttggtcac 240  
ttcagca 247

<210> 33810  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892128H1

<400> 33810

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gttttatctg caattgggct ttctgaggcc caattgagca gcagcgcgta tcagatcctc 120  
ggcatggcgg agatcgggat attaccgaag cttttcgggtg ttcggtctaa gtggttccac 180  
acgcgtgggt ggggattttg gtttctacca taataccgat tgggtgtgtcg tacatggact 240  
tcaccg 246

<210> 33811  
<211> 164  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892129H1

<400> 33811

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attgggatgg cttcgacgaa taagatcaca ctgaagagtt cggacggcga ggccttcgag 120  
agtggaagag gacggtggcg agtggagatc ccagcacgag tcaa 164

<210> 33812  
<211> 205  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892130H1

<400> 33812  
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 gtatggaata tttcctttca tatagcaagc cttgctacaa ttttcttggg aaaaggtgca 120  
 tacgtgcata gttaggagag atcttctttg ttgtctccag tatcaaatag taaactagct 180  
 actcttttaa tgagtatatatt gtata 205

<210> 33813  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700892131H1

<400> 33813  
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 ttttgctgct atttctttgg ggtagatcta tgggtgggttc ttgcaatgaa gaaattgctc 120  
 aagcaattat atatacacta atggaccgga gtgagtcaga gttgggagag ccccttacac 180  
 gacttttacc tctcggctctt ggtcttctat atcttggaag gcaggacatt gttgaggcaa 240  
 cttccgaagt ttcaaagatt ttcaatg 267

<210> 33814  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892132H1

<400> 33814  
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 ctttactcac cattgaggag ggtatctttg aggtgaaagc cactgctggt gacacccatc 120  
 ttggaggatga agattttgat aacaggatgg tgaaccactt tgttcaagag ttcaagatga 180  
 agaacagaag gacattagtg gaaaccccag agcacttaga aggttgagga ctgcttgtga 240  
 gagggcca 248

<210> 33815  
 <211> 234

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892093H1  
 <400> 33815  
 ggatcgagcc gaatcggctc gaggcagattc gtgggggtttg tctgtgagct ttctcagcat 60  
 aataacttgct accaatagtt ggaaatgcag ctgaacatgc aggagcaatc atatttgctt 120  
 tcaagaacaa gctggacatt tcattgggtg ttgcattggg ttcagcaact cagattgccca 180  
 tgtttgtggt cccattatgt gaaaccgttc cttggataat gggatatcat atgg 234

<210> 33816  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892134H1  
 <400> 33816  
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 gagagtaaat ttggatctcg gtcaaatttc taatttgaaa gagttttag agcacttatc 120  
 gttgagaatg cattcttctg tgcctggatc attagtgata tggatatgaca gtgttacact 180  
 tgatggtaaa ttgaattggc aagatcaact aaatgagcat aataagccct tctgtgatat 240  
 atgtgatgg 249

<210> 33817  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892135H1  
 <400> 33817  
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 ctcaactccc taaacgaagg ccagaaaatc gaacttgtgc agttccacat attgcccagag 120  
 tttgtgtcca gctcaaactt tgattctcta agcaaccctg tgcagacagt ggccggtaaa 180  
 gatccgcaag gcttccattg aacgtgaatg cattaggaaa cagtgatcaac atttcaaccg 240  
 gggtcgt 247

<210> 33818  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892136H1

<400> 33818

agtttcagct ttgagttctt tgaagaaaca taatgactca tcaacatttt ctcgaaaaaa 60  
 tatactttac cttaaccgac atcaaacaga ggagtggaaa ggatggatgc aggtcctctt 120  
 tttaatgtat cattattttg ctgcaacgga gatatacaat gcaatacgtg ttttcattgc 180  
 tgcataatgtt tggatgactg gatttggaaa cttctcctat tattatatca gaaaagattt 240  
 tagcctt 247

<210> 33819  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892137H1

<400> 33819

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 ttctctcacc tgaaaatgtc ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag 120  
 tgccggaacg gctgcggagg ctgcaagatg taccagact tgagctacac tgagtcaacc 180  
 ccaccgagac cttggatcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
 tggg 244

<210> 33820  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892057H1

<400> 33820

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 cttcaccaa ccaagaatgc tgctaactta tcaattacat tatcaaagtt tgtgccttat 120

aggaccgaaa tagaatggta caaagcttgg tgtcaccagc aagttgatca aatgggatac 180  
 tacgacttat tcaagaggag aaggagcact tcaaaaatgg gctatgaagt caacatg 237

<210> 33821  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892058H1

<400> 33821

gcttcaaact tcacaagccc tgaagctgaa attttaagct tccatgaaag agcatgttgt 60  
 aaagagaatt gcagacgcga catgtcatgc aagtgccttag tttcaatttc agcttggaat 120  
 tcagtgaact tcaagttcaa tgagcaagtg cgtaatactt caatgcactc 170

<210> 33822  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892059H1

<400> 33822

gtttgtctga ttggaactac aaagacccca cgcgtctctt aaccctaatt cagtacttga 60  
 gggatcaata tgtgctttat cagaggaagc gcgtcggaga agttgacgac gaccggttga 120  
 cattcgaaat cagtactatc ttgtccaggg agggaaataga aatgcatatg agttctgg 178

<210> 33823  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892060H1

<400> 33823

gtgtcttaga agcccttcta caaagttgca gttcattgac tggttctcat ccatatgaac 60  
 ctgggtcatt ggagaatgga attggtggaa ctgaagaaaa gttgcttgct ccacaaacct 120  
 cattcaaggc ccgcagtggc cctctgcggt atgggttttg atcg 164

<210> 33824  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892061H1

<400> 33824

ctcgagccgc gataaacaat tggtatacaa aagggttatct agtgagaaat ttctaacaaa 60  
 tgtataatt 69

<210> 33825  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892062H1

<400> 33825

taaaccctag cccctcttct cttcattctt cactcaggaa acaagcataa tggccttctg 60  
 taataagggtt ggaaatgtct tgaggcaggg tgctgctcgc agcacacaag cacctgtttc 120  
 atccatgctt aattacattc gctgcatgct ttcaagcaag cttttaattg gagg 174

<210> 33826  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892063H1

<400> 33826

caagttgaaa aagaaagtag aagagtctcc accatgggtg aagaacttgc taagctttgt 60  
 tgaacttcca ccgactgaag ttatccttag aagattgttt ctctttggct tcatgggtgg 120  
 ctggagtatt atgaattctg ctgaaactgg acctgctttt cagggtggaaa tctcttgggc 180  
 tg 182

<210> 33827  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892065H1

<400> 33827

aacttaaggt ttcaaacctta ggaagttgga agtcatggca gcaacattga tggcagcaac 60  
aagttctggc actcttaaag caactccttt cctaggccaa ggcaaggggtg ccaatgccaa 120  
tgctcttagg gatgttggtt ccatgggaac tgggaagtac a 161

<210> 33828

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 700892066H1

<400> 33828

ttggtgagga tcgagaaagt gaattgtcaa acgaagatcc aaccagggca tctctagttt 60  
ctgacttgac ttctcaaagt gcaaggtccc agttcttgca agagctaaac acaaagccac 120  
ctgggcttac tcaagaggc 139

<210> 33829

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892067H1

<400> 33829

ataccgaac aactcgtatc gggtttgccg aacattgtac aaatcgaact ctacgaaaac 60  
tctctctccg gcgcgttgcc acgcgccg tttacaaacc tcgccaactt agaaagattc 120  
gatgcctcca cgaacgagtt gactgggacg attccagaag agttgtgtgg gttgaagaaa 180  
ctcgggtcgt tgaatttgta cgaaaataag ctcgagggtt ctttgccggc agactatagt 240  
gaa 243

<210> 33830

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700892068H1

<400> 33830

gttaaaaaatg agttgccaag tactttcaag gcctaccgct accaacagca ccgttggtct 60  
 tgtgtgccag ccaatctttt taggaaaatg gtcattggaga tcataattac caagaaagt 120  
 tcattgtgga agaagataca atgtgattta cagcttcttc tttgttcgga aggtcctaac 180  
 ccccataaac acgtttgtgt tttattgcat tgtattacct gcaacatttt t 231

<210> 33831  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892069H1  
 <400> 33831

ggaatgagaa gtttgatgct tcaataacaa aagactacga ttttcacctt cttaatggca 60  
 gttcagtcaa ggttcccttc atgacgagca agaagaagca gtttattatg gcttttgata 120  
 gtttcaaagt ccttggtctt ccctacaagc aaggcgaaga taagcgccaa ttcaccatgt 180  
 actttttcct tccagaaaca aaagatgggc tgtagcttt g 221

<210> 33832  
 <211> 157  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892070H1  
 <400> 33832

gtggcaagac ctatcttcta cgcataataa acgacacttt gaacgatgaa ctgttcttca 60  
 aaattgcggg gcacaagtta acagtgggtg aagcagatgc atcttacgtt aagccttttg 120  
 aaacagacac aattttcatg agcccaggcc aaaccac 157

<210> 33833  
 <211> 110  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892071H1  
 <400> 33833

aagaaacgaa gatagaatgt gcacagccct aaagacgaat taccagctta gcgacgagat 60



cggtcgcggt cgtttcggca ccattctccg ctgcttcac ccactctcca

110

<210> 33834  
<211> 174  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892072H1

<400> 33834

ataaattgca gtttgacct gagaggccga gcgagagagc gagggagcat ggaggaggga 60  
aaattgagag agctgaagca attcatagag atatgcaagt ccaatccctc acttctccac 120  
aatccatctc tttcattctt caagacttat cttctcagcc tcggtgctcg catc 174

<210> 33835  
<211> 212  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892073H1

<400> 33835

cattttcata atcgaaattg gaagcgagga aggaaaaccc aaatcgaaaa tggcagtgat 60  
ggagaggttg aagatgttcg tcgttcaaga gccagttggt gccgcttctt gtctcatcgc 120  
tggcttcggt ctttttcttc cagcttttgt gaggcccatg ttggattcat atcaggcaac 180  
caagcaacct cccagcctg ctttaggtga cg 212

<210> 33836  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892075H1

<400> 33836

aaatgagttg gtggaaggtg gcggttgaaa tagacaactg agatgaaaat acaaagtttg 60  
ttgaggggtg gtgtggtggg atgaaaaatg agtgggctga aagagcacct taaactggca 120  
agagaatacg cggtggaagg gctctacgac acctccgtga tcttcttcga caacgccgtt 180  
gcacggatca acaagcacct taacagcaac agcgtggagg a 221

<210> 33837  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892076H1

<400> 33837

ataaccaatg atacgtcgtc gttttgcccc ccagaacctc tgaagaagaa gaaatggcga 60  
 gtagcagcag caacactccg aaggaaagcg ttgttgctga ctgcggaagg cgtcgaacct 120  
 cttgcggcta ttgcagatcc tctcgtcaca atagcatctc tcatgcaatg tggccatata 180  
 gccttactgt ggatgactac aaggtcttc 209

<210> 33838  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892077H1

<400> 33838

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 aacaatgtct ctcaccattc cctccaacct ctccaagccc gccgcccctcc gccccaaact 120  
 aagcccaaag ctaagggtccg ccgccacaac caccatcgtc tgcagcacca ccaacaacaa 180  
 caacaacaac aacgtgtcct ccgacctgaa ggcgttctcc gccgcgctgg ccctctcctc 240

<210> 33839  
 <211> 125  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892078H1

<400> 33839

ctctctgagc cccaatctct tgagcagcag aatcttcagg ccaagccagg taagcaagca 60  
 caacacaacc ccgaaatggc ttctgcttct gttcccatgg ctttctcgct gacctctgta 120  
 atcac 125

<210> 33840  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892079H1

<400> 33840

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 tcattcttca acggaaagcc cgtcacatat tcttcccgcg tcgcgccac caccaaatta 120  
 tcctcatcca aacaaggcac aatttccatg tccctaaccc ccccccccta cgacctccag 180  
 tccttcaa at tccagcccat caaagaatcc atcgtgtcac gggaaatgac gcgccgct 238

<210> 33841  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892080H1

<400> 33841

aaagaaactc catagcgaaa aagacaattc acgttatatt gttagtttat tcgtcatttc 60  
 tttctttgag tagtaatggc aagcctcaag gttgcatttg tggttgctgt gctatacatg 120  
 gttgtggtga gtgaaccttg gaactgctag ga 152

<210> 33842  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892082H1

<400> 33842

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 gcattctgca agtgtggtga aggggtggagt tgtgtcattt tcaggactga aggccctgat 120  
 gcaggctctg gccagggctt gctgaatgcg ctggacagtg ttcttgtact attgatgaca 180  
 aatccaccta agataaacga tgagtgcac tatgatata 219

<210> 33843  
 <211> 174

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892083H1  
 <400> 33843

ggaaaaaata atttctttta ataaaagaaa actcaaaatt gaatcgataa atcgccatga 60  
 atcccaaaat cctcttcgtg ttgtctcttc ttctgaatct cgatatcaat tcgttccaaa 120  
 accctaacc taaaaccctt aaatcaacgc cgtcgcaggc tcacgtggac ctgc 174

<210> 33844  
 <211> 199  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892056H1  
 <400> 33844

aatcacttac tggaagcctt gttgtgagta agagaaaagg cttcctgcac cgagcacacc 60  
 aacttgatac ctctgattct ttctttgctt agaattccac agaatatgga atgtaatctt 120  
 ttcaatcact cccaccttt ggaattcaag ggtttgagca aggaggagga agactcattg 180  
 ctagggcaag tggaatat 199

<210> 33845  
 <211> 174  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892085H1  
 <400> 33845

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 agaagggaat tgcagagttc tacgacgagt cgtctggcat atgggagaac atttggggcg 120  
 atcacatgca ccacggcttt tatgaccgg attccaccgt ttctgtttct gatc 174

<210> 33846  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892086H1

<400> 33846

gaaaatgcaa ttggggcatg tgctcaactt gtgtttgcac ctattgatga gtccttttgc 60  
 gatgatgctc tgttgcttcc atctggtttt cgtgtcattc cgttggatcc taaatcagat 120  
 ggtccagctg caactaggac attagatttg gcatcaacaa tggaagtagg ttctggtaat 180  
 gctcgtccag ctggggaagc tgacttgaac ggctacaacc ttaggtcggt 230

<210> 33847

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700892087H1

<400> 33847

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 tgggagcgaa caagttcccc gagagacagc cgattgggac ggcgggcgag agccaagacg 120  
 acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180  
 catggtcgtt ttacagagca gggataccag agtttgt 217

<210> 33848

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700892088H1

<400> 33848

gcctagtgat tcagctagct aagcaagttt ttggagcttc aagagttgct gccacttcga 60  
 gtactagaaa tttggaccta ttgaaaagct tgggagctga tttggctaata gactacacaa 120  
 aagagaactt tgaagatttg ccagaaaaat ttgatgtagt ttatgatcgc cattgggcaa 180  
 tgtgacgggg c 191

<210> 33849

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 700892089H1

<400> 33849

gatggaagtg tggctaactt ggatggaagt gccttccatt taatcggagc tccacactct 60  
tctgatcaga attcccagca gcacaagaga aagtgttctg ccagaggtga tgagggaagc 120  
ttgaaatgtg ggagcagtc tagatgccat tgctctaag 159

<210> 33850

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700892090H1

<400> 33850

gtcacgttaa taaagctgct catgttttga gcacataagt accaacta actttaagcc 60  
gagaattttt ctagttcttt tggcttttga tgctaaatcc aaacatggtt gaagtataag 120  
catcaagagg actatataaa aa 142

<210> 33851

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700892091H1

<400> 33851

aaacgaataa aagaaagcga tagaaaagga agaagaagcg cttcgcgatg cacgaaagag 60  
aagaattgga agcaaagttt cggcgttttg tcttttataa aaaaaatggtt aaatcattat 120  
aattttctat gatagggatt ggtttcttgt cttttttctt ttgtttatga atatcggtgt 180  
attttaacag ttgtaaagca ctgcgccctc gctgcatgat catgtagttt tcaa 234

<210> 33852

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 700892092H1

<400> 33852

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caggatgcgt ggctgcgttt ccgcgacctg cccacaagaa agctttgaca taatctgagt 120  
 atggacaatc caaggggggtt cgcaagttta ctcagagcgt ggctttgcct gag 173

<210> 33853  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892023H1  
 <400> 33853

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 ccagatggct tcaaaaactt gttcctccct tgcccttttc ctcacactca acctcgTTta 120  
 cttctcactt gtctctgcat gcggttatac accatgccct ggtccaaacc caaagccaag 180  
 gccaacccc aaccctaacc ctaaccccag cccaagtggc tcgtgcccc gtgacgcact 240  
 caaa 244

<210> 33854  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892024H1  
 <400> 33854

cgagttgaat gactcgccag aggtgatgaa gcaaatgcc cctcttctg tgaagtgaa 60  
 tgaagagcta gccagttcca tacttccaag aacaaatctc ccaccacaat catgataaat 120  
 attcatactt aaccaggctt gcctcttgaa tatttctgcc tgactggga cgcaaatcat 180  
 catattccac ctctgagcag gagaataact gccaaatgcc aatcaagttg acccc 235

<210> 33855  
 <211> 190  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892025H1  
 <400> 33855

gccgtcgaag gcgtcgccac tctcatccaa gaagacgatg gcccgacgac agtttctgTT 60

cgcatcactg gccttactcc ggggcttcat ggttttcacc tacatgagta tggtgatacg 120  
 acaaatgggt gtattttctac gggagcacat tttaatccta ataaattgac acatgggtgct 180  
 cctgaggatg 190

<210> 33856  
 <211> 158  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892027H1  
 <400> 33856

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 caacttttat tttggcaaat tcaaataaat cacttgcaat gcaaaaattg cctctatctg 120  
 gcactgattt ggctcttcag gcaaccttta ggcttggt 158

<210> 33857  
 <211> 152  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892028H1  
 <400> 33857

aagaagtata acattgagcc aagggtcct gagttttact ttctcagaa aattgattac 60  
 ttgaaggata aggtgcagcc tacatttggt aaggaaagaa gggccatgaa gagagaatat 120  
 gaagaattta aggtgaaaat taattcttta gt 152

<210> 33858  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892029H1  
 <400> 33858

aaaccatgga cgtgggtcag atgcagagac agtggatcga ctacaccaa tccctcttcc 60  
 ttgagggctt cctggatggt cagtttctgc aacttcagca gcttcaagat gagaacaacc 120  
 ctgactttgt ggtcgaagtt gtctctctct tctttgaaga ttctgaaagg cttctcaagg 180



atctaaccctt tgccttagat cagaatgggtg ttgacttcaa aaaagttgat gctcatgtgc 240  
accagtta 248

<210> 33859  
<211> 178  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892030H1

<400> 33859

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aaccttgggc ttggacatgg ccaagggcag cgcattctgc aagatgggtg aaggttggac 120  
atgcatcata actaaaactg aggggcctga tgctggcaaa gttttcgtaa aatgtggt 178

<210> 33860  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892031H1

<400> 33860

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caaggttttag tgacaccaaaa cagacgggaa atgggtcgtg gggtcagtgc tgggtggtgga 120  
cagagttcct tggattatct ctttggcagt ggggtacctg ccagcagtgc aaatgggtgct 180  
cgactcaa 189

<210> 33861  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892032H1

<400> 33861

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aggcccatta gggaggacga ggtcaccacc attggtgagt ccgtttacaa tcaactgcacc 120  
accactggaa atttagggaa agcaatattg gtgaggaagc acttgggggtc tgtggcattc 180

211

<400> 33862

<400> 33863

<400> 33864

13770

<210> 33865  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892036H1

<400> 33865

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 agatccacga caccggctg agtctaaaag tggaccaa at gatccaattt tgaagggtgc 120  
 tttagatcat ggcaaggctt ttggcatcat aaagccacat gaccgatttg ttgtc 175

<210> 33866  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892037H1

<400> 33866

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 gattgttgct tgtacaaccg tgaatcactc tcttcttagg gattgttttt ctgatgtctc 120  
 gatgagaatg tgtaatgtta gaagaacaac tttatgtttt ggagggagtt attct 175

<210> 33867  
 <211> 200  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892038H1

<400> 33867

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 ctcggcggtg gggaagtcgc agatactagc tcggtttgcg aggaacgagt tcagcttgga 120  
 ctccaagtcc accatcggtg ttgaatttca gacaaggacc ttggtcatag atcacaagac 180  
 cgttaaggct cagatctggg 200

<210> 33868  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892039H1

<400> 33868

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 cttcttcgac atgaccatcg gcggtcaacc tgccggccgc atcgatgatgg agctctacgc 120  
 cgacgtgact ccgagcaccg ccgagaactt ccgcgcgctc tgcaccggcg agaagggcg 180  
 cgggaggagc ggcaagcccc tccactacaa aggtctgtcc ttccaccgag tgatcccgaa 240  
 ct 242

<210> 33869

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: 700892040H1

<400> 33869

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 gttatcaata tatattcaat gacatacaca gtcccgagtg ctaaacctga gtttaaagct 120  
 tcagatcaca acagatccac cattcacctc accactttct c 161

<210> 33870

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700892041H1

<400> 33870

gcgagccttt gacggaggat gatctggaag ccatcgaagc ctctctttcc aataacaaag 60  
 aacgtccatt caacgatcac actcacctc ctgctgctg cttgcccata tcgcttatcg 120  
 ctcttcaaca cccaaacgct tcttctttct cgccccatcc ccgtccatgc gattcaagaa 180  
 tgacattgcc tgtaatgaag tttag 205

<210> 33871

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892042H1

<400> 33871

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tagcttttaa taatgccttc ctccggcatt acttggtctg catattacaa atacttgcaa 120  
gaagacaccc aactcttcat gggattccca gagaaaatag aatgctgcat atgagtctta 180  
cagaagctag taactatcaa aagaacatgc ttgctcttga ttcagaaagc aaacctttgg 240  
at 242

<210> 33872

<211> 205

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892043H1

<400> 33872

aagcgcaggn agtagaaagg gaaaagaaga taatatggtg gtagtttaag ataatggtaa 60  
tctatggccc aagtttatcg gtgtactgtg ggtcgtgggt acgagatggt gagagcaatt 120  
ggcaagatag gtgcagccct cagaaattga gtgggtctgg gagaagaagc atcacctgca 180  
aattcgagag tgtgagactc agtag 205

<210> 33873

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700892044H1

<400> 33873

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tcacaaccaa agttcgaatc cccgtccgaa gaggtgccta tatttagtgc ccggcagagc 120  
ttcgaaaaag attgccccca caggaagata ctagtggaga accaaataaa ctgggatgaa 180  
aaccagttg aggaggttga aaaaggtgga agcccctatc tccattgtag aagtc 235

<210> 33874

<211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892045H1

<400> 33874

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 tgagctgttg gcaaaagggg cagggaaatc aaaggaagaa attgctaaag atgtccagag 120  
 gcctaagtat cttcaagcac aggatgctat agactatgga attgccgaca aaataattga 180  
 ttcaagttca agggatgttg catttgagaa gaggaattat gat 223

<210> 33875  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892046H1

<400> 33875

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 aaatctctag gcagggatgt ttagtctgta ctcgataatg aacatggatt attgttaatg 120  
 tagcttagtt tctcagaatc ttatttgtgc ttatgttctg aatttcgaac tagctttata 180  
 tttttatgct tgatattgtg cttaaaaaag aatcgacact tg 222

<210> 33876  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892022H1

<400> 33876

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 cgagaaatcc ttttctctcc tctctctcct tccaagggtt cttgctgtct acaaggaagt 120  
 tattgctgac cttaaggcag ctggtgcttc atggattcaa tttgatgagc ctacccttgt 180  
 cttggacctt gaatctcaca agttgcaagc tttcactgac gcatatgcag aacttgcac 239

<210> 33877

<211> 173  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892047H1

<400> 33877

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 gttaaagtgc ataaatttca caaaattttt cgactttctt tgcttcaaaa tctacttctt 120  
 tcaaaatcta cttcctctcc tatcactaac cgtttcaatt ttgatttttg ggc 173

<210> 33878  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892048H1

<400> 33878

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 gaggcaatat ctaactactg tttttttatc ctgtaaattc aaagaggcta aactatggga 120  
 gttta 125

<210> 33879  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892049H1

<400> 33879

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 tttctacctt tctccgatcc caatccctaa tctttctctc ttcaagctct agttttttaa 120  
 tgtggggaga tcggctgacg aatggg 146

<210> 33880  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892050H1

<400> 33880

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 ttccctctcca aaattggcca aagaggtaat gaaagacaat gaccttgagt gctgtggacg 120  
 acctaaatta ttggggccaac agaaactaac ctataatggg ttaa 164

<210> 33881

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700892051H1

<400> 33881

gccaggtatg atgaaattgt gaaggaagtt tcttcctatt tgaagaaagt aggatacaac 60  
 cctgacaaga ttcccttttgt tcctatatct ggttttgagg gagacaacat gattgagagg 120  
 tccacaaacc ttgactggta caagggccct actctgctag atgcacttga ccagatctct 180  
 gagccaaaga g 191

<210> 33882

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700892053H1

<400> 33882

cgggtgcgcgg cagcaacatc cacgggaggg ctgatgaaca aaatgaccgg gcgcacgggt 60  
 gattcgccgc tgatagggcg cgggacctac gcgtgcgacg tgtgcggcgt atcgtgcacg 120  
 ggtgaaggcg aggcaatcat acgtggaacg ctggcgcggtg aggt 164

<210> 33883

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700892054H1

<400> 33883

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tggagtgttc ttctacttgc aggattctta cacagcacag ttatttcctc tcataaagtt 120  
 accgcgggat aagtgcagcc ttcttcccca tcgccacttc tggatatcca gcaaacgtat 180  
 tgtgacccca caagggatca tttctgggtc agtggagata aatgatggga a 231

<210> 33884  
 <211> 152  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892055H1  
 <400> 33884

accaatttag gttctcttaa aacaaaggcc cctcaaacca ctttccccac actcttttag 60  
 tgtgtcgtat ttttctctct ctttctccac aattaggtct tggaccgacc cttttgtgta 120  
 agtgcaatgg ccatggctaa gcttgatatgt gt 152

<210> 33885  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891982H1  
 <400> 33885

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 ccgtacaaac aaactgctcg taagtcaact ggaggaaaag ctcccaggaa gcagcttgca 120  
 accaaggctg cacgtaagtc tgcaccaaca actgggtggtg tgaagaagcc tcatcgttat 180  
 cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240  
 atc 243

<210> 33886  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891983H1  
 <400> 33886

tgctgaaacc tcatccaaga gcaacaacaa actactccac cccaacttg atcttcaact 60

ctccacccca ccaccaccaa caacacatca aatgttgcaa accgtattga tgctgcaata 120  
 tcacctaaga gggatcatca tcatcatcat gagaaccatt caaccattt gcaactctca 180  
 attgggtcat cagatatgag tgagaagaac gaatcaaaca ggaactcatc agagaagagc 240  
 a 241

<210> 33887  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891984H1

<400> 33887

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 gtcctagaga ctcatgtgg tagctgctgc tgcaccaaag aagtcatggc tccttggtgt 120  
 cagaggtggt ggcaacctcg tcgaccaga atggcttgat ggatcgctac caggtgacta 180  
 tggctttgac ccactaggcc ttgggaagga cccagcattc ctcaaattgg acagagaag 239

<210> 33888  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891985H1

<400> 33888

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 ggaggcactg gcaactgaaga agtgctcatc aggaagagag gtttctctga gactgaaact 120  
 gaaactgagg aggatgagtc tgctaccact gtggatttga tgcttaatct ttcttctaag 180  
 gaagctgctg ctgctgcaga tccaactgat aagcacaaga ctttg 225

<210> 33889  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891988H1

<400> 33889

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 ctctccggg tcaactcgcc cgtgactcac cgcagagctg ccccgcccct gacccaacc 120  
 tctactacaa gccagtcac ggaatcgta gccatcccg cgacggcgcc tccggccgcc 180  
 tcagcaacgc caccggcgcc tcctacatcg ccgcctccta tgtcaaattc gttgag 236

<210> 33890  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891989H1  
 <400> 33890

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 atgattacta atagcattta cattttatgc gaattttatt tgtttgctga atactatttg 120  
 gtgaacgtta tcacatttga ttgttatgta taatttgcag tgccctcgac cttgagggg 180  
 tgtaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagaat 230

<210> 33891  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891990H1  
 <400> 33891

actaactaca ctggcctttt gttctcgtgt caatttctaa atccaccacc acaccctctc 60  
 ttctactctc tattcattat ctatctccta caccct 96

<210> 33892  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891992H1  
 <400> 33892

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 ctttgaattg cagagaacaa ggaggattac aacaagttct atgaggcttt ctccaagaac 120

ttgaagctag gtatccatga ggattcacag aacaagggaa agattgctga attgctcagg 180  
taccactcca ccaagagtgg tgatgaaatg acaagcctca aggattatgt ga 232

<210> 33893  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891993H1

<400> 33893

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ccctgacttc tgtgaagggt tcgagtgaga gcatacctgt cgggaccgca aagatggtga 120  
actatgcctg agcggggcgca agcagcagga aactctggtg gaggcccgca gcgatactga 180  
cgtgcaaadc gttcgtctga cttgggtata ggggcgaaag actaatcgaa ccgt 234

<210> 33894  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891994H1

<400> 33894

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gagctagtag gaagtgaata ctactattat ttacctgcca cacacacaga aacatacata 120  
gatctagaag caaaggcaaa gaaggatttc aagctcaatt gtttagctta attaatttcc 180  
ttcaagcaaa tgatgattca gaagatgttt gactccaccc gttctggtat gacaagaag 239

<210> 33895  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891995H1

<400> 33895

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taaagatgag atcttcgtga aaactttgac cggttaagacc atcacccttg aggtggagtc 120

ctccgacacc atcgataacg tgaaagctaa gattcaagac aaggaaggga tcccacctga 180

ccagcagaga cttatctttg cgggtaaaca gcttgaggat ggtcgaaccc tgccgact 238

<210> 33896

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892001H1

<400> 33896

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tcacataggt caggccggga tccaggctcg aaactcctgc tgggaactct actgcctcga 120

acatggcatc cagcccgacg gcatgatgcc ttctgactcc accttcggtg tagccacga 180

cgccttcaac acctttctca gcgaaaccgg atctggcaag cacgtcccc gtgctgtctt 240

cgtcgacctc ga 252

<210> 33897

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 700892002H1

<400> 33897

ctcgcgtacg cgggttcggg gctgctgtag tttcatactt tgggtgctcag gtcctgcac 60

cacagtctat gagacctgct agagaaagt atattcctgt taggggtaaa aattcctaca 120

accctaaagc tccgggtact ctcatg 147

<210> 33898

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700892003H1

<400> 33898

cgcttccatt tctgcgatca ctagattata tcttaaccgc atttcgtaca gcgacaagga 60

gctacgtctt aggagatccg agctcgagag ttctcgtcga gttcgacca 109

<210> 33899  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892004H1

<400> 33899

tctgcgccgt tcttcctccc ctgtttcggt ccaactgagca acacgctatc agttgcatga 60  
 cataatacag agtggttcaat tagagcataa tgggatccaa aaatgcaaata gggaagaacc 120  
 acaaggacaa aaggaacaaa tttaaggata atttgagtgc ctagttgatc gtcacccagt 180  
 gatgccaaag ttatcctcat cagtgatcct cgatattcaa aggctcacac ggatcctcgg 240  
 t 241

<210> 33900  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892005H1

<400> 33900

caggaagaga tgtattgagt caaggccaac taagggttaat ggcttttgac cgagaagagt 60  
 tgtggaaaag tgctagtga cgcatttctt ggcattgaaa attagaaggt gaagaggata 120  
 tacagaaaacg tattcataag ctggagtcag ttggaaacct agaggctgca gttagtttat 180  
 ggctt 185

<210> 33901  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892006H1

<400> 33901

caaagttcca gccaaagcca agcccgcccc taaaccaaag gctgctgctg ctgctgcttc 60  
 caagcccaag cctgctgccg ccaagcccaa agggactaag ccagctgcca agcccaagcc 120  
 caagcccgt gctaaaacaa aggctgctgc tgccaagccc gcggcaaagc ccaaagcgaa 180

gccccccaag gcttcaagga cgtcggaacg g

211

<210> 33902

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 700892007H1

<400> 33902

caaataattct cactcgtcgt cttcgtctgc gccctaacca aattcaattc aaactcttct 60

catcaaaatc caaggctcgt tcttgaaacc ctaattcgat atcctcctcc tcagaagaag 120

aaggatcgat gtgggcagct tcttgacctg cgtcatgctg cgcggcctgc gcatgagacg 180

<210> 33903

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700892008H1

<400> 33903

ccttcagctt gttcgacaag gacggcgatg gttgcatcac aaccaaggag cttggaactg 60

ttatgcgttc attggggcaa aaccaactg aggagagct ccaggacatg atcaatgaag 120

tggatgctga tgggaatggt accattgact tcctgagtt cctaaatctc atggcaagga 180

a 181

<210> 33904

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700892009H1

<400> 33904

cttcattaga tcctcagtgg gatcgaccct catttctgtg aactgagatg gctggaggtg 60

ttattcggca gttatttagg aggaaactcc aatgtcattg tcctaattct tcttttaagt 120

catccattat cacaaagaaa gatggtgctg a 151

<210> 33905

<211> 207  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892010H1

<400> 33905

ctttcgaaag attttatcca attgaaattt tttaaaaatg actgggataa acttaagaat 60  
 tcaattattg aaattgaata agtaacaat ttaattggat tggtcgaatg gtatcaaaaa 120  
 aatggagtac taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt 180  
 tatcgaacat ttcttttgat ttcaaaa 207

<210> 33906  
 <211> 145  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892011H1

<400> 33906

tttcgaaatc gaactgtggc tgtgtggaac ttccgtggag agctggtaac ttcttttgag 60  
 gatcacctct tgtggcatcc tgactgcaac accaacaata tgtatatacc cagtgtccag 120  
 gatctattcc taccctactg taaag 145

<210> 33907  
 <211> 80  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892012H1

<400> 33907

catctatcat tgtcaccaaa tcacgcacaa ctttacactt gtaacctgat ttcaatcaaa 60  
 gcaaatttca attcttgaac 80

<210> 33908  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891981H1



<400> 33908

cttaatttcc agcaaaatcg ttctctgtct tttgaagcag ctgttgccca ttgtgaagta 60  
 tttgttctcc gcatctcgcg tcgttagttc attgaactca ctgcattgag tggatttggt 120  
 ccaagttgag tttagaaatg gatggccatc atcagaagca aaaaaacaag tacagtataa 180  
 ttgttcctac atataatgag cgtctcaaca ttgggtctcat tgtttacctc atcttcaagc 240  
 acctt 245

<210> 33909

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700892014H1

<400> 33909

aaagcccaaa actgtcaaata atgaatttaa aaccaacacc catgtcccta aactaggggt 60  
 aatgcttggtg ggggtgggggg gaaacaatgg ctcaaccctc actgggtggtg ttattgctaa 120  
 ccgagaggggt atttcatggg caacaaagga caagattcaa caagccaatt actttgggtc 180  
 gctgaccag gcatcggcta tcagattgg 209

<210> 33910

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700892015H1

<400> 33910

actccatcgt gacataaagg gctcaaactt tctcattgac aataatggag tcttaaagat 60  
 cgctgatttt gggttggtgaa gtttttatga ccctcagcgc aatgttccat tgacaagccg 120  
 agtagtaact ctatgggtata gaccaccaga acttttactt ggagcgaatc attatgggggt 180  
 tgcagtggat ttgtggagca ctggttgcat actgggggga ctatatactg gaggcctttt 240  
 ttccc 245

<210> 33911

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892016H1

<400> 33911

gaaggagtca aatccgttta ttcatggtgc tggacatggt gatcccaata gggctattaa 60  
ccctggcttg gtttatgatt tggacactgg tgactatgtg gcgatcttgt gttctgttgg 120  
gtatgatgct aatcagattg cgggtttcac tagagagcct gctgctgaaa gtgtttgtga 180  
agggaaagtg gggaggactg ggaagttggc gagtcccaat gacttgaata acccaacata 240  
cg 242

<210> 33912

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700892017H1

<400> 33912

tgctcatgac ccactacgat atgttggtga tatgctaggc tggttgcac aggccttggc 60  
atctgaacgt gaacttgtag ctgtattact tgatccagat acaattaccg attctggtcg 120  
gaggaaattc tccaataact ctgagaatgg ctctgggaag acagaatcgg acttgatgt 179

<210> 33913

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700892018H1

<400> 33913

accaaagtgt tgtacttatg cttttcaaca gcgctgagcg gttgacttgt aaggagatag 60  
agcaagctac agcaataccc atgtcagatt tgaggaggtg cc 102

<210> 33914

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700892020H1

<400> 33914  
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 tgcgttcaga aaagctactg gattgaacat acgacggact tgtccgtaga gtcaatgatg 120  
 ctcgattcca acgcctctga tctcgacaag gaggagagac ccgaagtttt gtccctacta 180  
 ccaccatattg aaggaaaatc agttgtagaa cttggagcag gtattgga 228

<210> 33915  
 <211> 149  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892021H1

<400> 33915  
 acgccacgct acgacgcgtc gtttcattat tattcatagt cttcctttgc atgcgccacc 60  
 atcatcaatt caattccaat gggtaatatc tgcgctcgtt tgaagtcgaa gccgccgccg 120  
 caatcctcag ccaagaagcg ttcctcttc 149

<210> 33916  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891950H1

<400> 33916  
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 attttttacg cagcaacaga ggatgtggct agagctgttg cactgctat gaattctcag 120  
 aggccatctg tggtatatcc attgaaaaat gatcatgggt gcagccaact tcaaaggctg 180  
 cagtatcaag ttacgaaaat gataaaagga ttttctagcc ctccagaagt taaatatata 240  
 aattaca 247

<210> 33917  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891951H1

<400> 33917

gttcatactt gtttcttcaa tttcatttct tttattactt ttctctcttg cattccaaat 60  
 ggccactgtt gagttgcaca acaaacacca acaactgtga cagaaaatga agcaaccgag 120  
 gtaaccaaga ttgaggaaac taccacagaa caaccagctt cccagggtac taccaccgaa 180  
 gaaccaaagg aagaaaccac caaagaagca aaagaggaag aagaagcccc agttgagact 240  
 aatga 245

<210> 33918

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891952H1

<400> 33918

cattgatatc ccctcctcct taagaggaga aaaggaagta acagaaggga gaagaacaaa 60  
 cggagcatgg tttgacgaga cgcagtggat ctgtctctgc caaaagatct tcctcctcgg 120  
 aagataaacc tccttcgccg aagcgccaaa aggtcgacaa tggcgggttcg tcggagaaac 180  
 cggtgccgac gccggcgga aattccaagg acttatctac ttcggagccc gtgcttgatc 240  
 ccgg 244

<210> 33919

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891953H1

<400> 33919

ctccctttct ctctcccaaa cccaaaaatg gcatcaaaat tgaccctcat tgcgttggtt 60  
 ctgcggttgg cctgtgcgcc gttgatctaa cccatagcgc atcagcatcc tcccctcagc 120  
 cgccagcgcc ctccgtggac tgcaccaacc tcgtctcac catggccgac tgcttgctct 180  
 tcgtcaccaa cggtagcacc gtcaccaagc cagagggcac atgctgctcc ggtttgaaat 240  
 ctg 243

<210> 33920

<211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891954H1

<400> 33920

ataagatgaa aggagattat tatcgttatc ttgctgaatt taagtcaggc aatgagaaga 60  
 aggaagctgc tgtcagtcta tgaaagcata tgagtctgct accgctgcag cagaggctga 120  
 tttaacctccc acacatccca tccgattggg tctagcttta aatttctctg ttttctatta 180  
 tgagatcttg aactcccctg aaagagcctg tcatcttgcg aacaagcttt tgatgaag 238

<210> 33921  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891956H1

<400> 33921

tgggaactta acaaaggaag aaacgcgaat tgatgatgga ggtcaccaa gacgaagctg 60  
 caaccccagg acaggaggtg ctcaacctcg caatccaaat ccaaatccaa atccaactcc 120  
 aaatccaaac cctaacccta accctcctca caccaccaga ggatctaaag gaaaatcgtg 180  
 taagggatgc acctactact catcgcttca taaagccaag tccaaaaacc ccacatgcgt 240  
 tg 242

<210> 33922  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891957H1

<400> 33922

gcctcgccga aggagagtcc gttgagttcg ccattgaatc tgaatctgac ggacgcgcga 60  
 aggctgttga ttactggcc ccgacggcgc cagctccagg gaaccagacg aggcggtgat 120  
 ggtggccgaa gctatggcgg gggacgagga ggtggtggag gtggctacgg tggaggcggt 180  
 ggctacgggtg gtggtggtgg ctacggtgga ggcggtggtt acggtggtgg tggaaga 237

<210> 33923  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891958H1

<400> 33923

gtcttggtgc tgagattggt ggcactttca tccttggtta caccgttttc tccgccaccg 60  
 atgccaaact agcgccagag actcccacgt ccccatTTTg gcacccttgc caattggggt 120  
 cgctgtgttc ttggttcaact tggcaaccat ccccatcacc ggaactggta tcaaccctgc 180  
 tcgtagtctt ggtgctgcta tcattctcaa caaggacctt ggttgggatg aaca 234

<210> 33924  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891959H1

<400> 33924

ctattacaga atgtgcaccc tgccattctc cttaggttcc tgcgggagca tagatcagaa 60  
 tgggcagnca caatatggat gcttacacag ctgctgctat taaagttggc ctttgcagct 120  
 tttcaggatc tcgtgttggg aactatggag gtcaagttat actcccccta gcacacacaa 180  
 ttgagcatga agagtttttg gaagtcatta aattggaagg agttgctcat tctcctg 237

<210> 33925  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891960H1

<400> 33925

gaagattgtg cgcgatacgt gccgttctat aggatttgtg tctggtgatg ttggccttga 60  
 tgctgacaat gcaaggtatt ggtgtacct gagcagcaaa gtcctgacat agcacaagga 120  
 gtccatggcc acctcaccaa gcgaccagaa gacataggag ctggcgatca gggtcacatg 180  
 tttggctacg ccacagatga aacacctgag cttatgcctc tcagccatgt ccttg 235

<210> 33926  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891961H1

<400> 33926

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 tgtgcttctg ttgactcgaa agaggttagt ggaagaaaag aaaagttaat atataacttc 120  
 ctaaaagcct gtaagagttt gaaacactgc agttttcgcc taagattttt ctccattgtc 180  
 catatggata attagaattt aatggataag aacttgggac catgattgtg aaggatcat 239

<210> 33927  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891963H1

<400> 33927

gattgacagg cgatctggca aagagcttga gaaggaaccc aagtttttga agaatggtga 60  
 tgctgggttt gtaagatgat tccgaccaa cccatggtgg ttgaaacttt ctctgagtac 120  
 cccccacttg gtcgctttgc tgtcagggat atgcgtcaaa ctggtgctgt gggagtcac 180  
 aagaacgtgg agaagaagga tcctactgga gccaaaggtca ccaaggctgc ccagaagaag 240  
 aagt 244

<210> 33928  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891964H1

<400> 33928

tagcaaacct cttcgttcct tcgattcatt ccattttctc caaaatggcc aaagaccag 60  
 ttcgcgttct cgtcactgag ccgcaggcaa attggatatg ctcttgctcc tatgattgct 120  
 aggggagtga tgctgggtcc tgaccagccc gtgatectcc acatgcttga cattcctcca 180

gcagcagagt cgttgaatgg ggttaaaatg gaattggtgg atgctgcatt ccctcttctt 240  
aaaggtg 247

<210> 33929  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891965H1

<400> 33929

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ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120  
tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180  
cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac 240  
caacatggt 249

<210> 33930  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891966H1

<400> 33930

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cgaccccgaa ccgacttcga gttccctta gaccctccca ccaccatgct ccccgccgac 120  
cagctcttct ccgacggcaa actcctccct ctccacctca aacctctttc caccaccact 180  
cctcagaacc ccaaatacacc ttctccgct tccgttaaca ccgtcagggc ccccaccact 240  
acctct 247

<210> 33931  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891967H1

<400> 33931



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 actggtgcag gacagaagga caaaggaaag gaagagaaga gaagagaagg agaaggagaa 120  
 gggtttggtta gttggttact tagtttggtt gattaacgac ggcgcactac acgatcccca 180  
 caatccagag gcttggttatt atctccatcc atttaattta attcccacaa ccacgctcac 240  
 ctaag 245

<210> 33932  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891968H1

<400> 33932

cttgaaggcg aggctgatga actcaagagg gtattcttgg aagggaatcc ttacctcctg 60  
 gcaattacca ggttggttct cttcttcatt cagtcttga cttcttggtt ttcaagaatg 120  
 acatccaatt ttggaacaaa aataaatcta tggaaggact ctctgcaaag accgttggtg 180  
 tgagctttgc ttgtcagctt atcatcttcc tttatctact tgacaatgac acctcttgga 240  
 tg 242

<210> 33933  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891970H1

<400> 33933

tacaaatcag gagttcatga aggtttcata gctggagctg gtctaggcac agttatgtta 60  
 gttattttct gtggttatgc tttggctgta tggtttggtg caaagatgat aatggaaaaa 120  
 ggatataatg ggggcacagt gattaatgtg attattgccg tgctaactgc ttcaatgtct 180  
 cttggagaag catcccctag cttgagtgc tttgctgcag gtcaggctgc agcttacaaa 240

<210> 33934  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891971H1

<400> 33934

tgcagttttt gacaaagcta ttgtattata ctccaacagc tattcttgct tctgtgatcc 60  
tctctgcccc ccaggactca ttgacgttag tgaagcttac aaaatttgga aggttgataa 120  
gatagacttt cttgcttgcg ctggggcatt ctttgagta ctgtttgctt ctgtggagat 180  
tggtctactt gttgcggtgt taatatcatt ttcaaagatc attctgatct caattcg 237

<210> 33935

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891973H1

<400> 33935

aatgcatggt ggctggccaa caaccctgca cactggaaga agccagagga gttccggcct 60  
gagaggtttt cgaggaggag tcgcttggtg aagccaatgg caatgacttt aggtaccttc 120  
cctttggtgt tggcagaaga agctgccctg gaatcattct tgcattgcca attcttgga 180  
tcactttggg acgtttgggc caaaactttg agctcttgcc tccccctggc cagtc 235

<210> 33936

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891976H1

<400> 33936

cagctttctt cttagtatcg agcttcatat ttcacagcca tggtgccaag aagtagaacc 60  
cttcctacag aatccaccaa ggaattatag aagagaggca cgatgtcagg ccctacgtac 120  
aagtagaagt gcgacccaat aatatccaaa cgagagacca agcgatgaat atccagtcta 180  
actattccaa gtgcttcgat gatgatggtc gcttgaagag aacaggaaca ttttgg 236

<210> 33937

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891977H1

<400> 33937

aaattagttc attctctttg cgcagttccc tacctctcct ttcaagatgc agatcttcgt 60  
 caagacccca ccggaagac catcaccctt gaggtggaaa gctctgacac catcgacaac 120  
 gtcaaggcca agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc 180  
 gccggaaagc agctcgagga cggccgtacc ctgcccact acaacatcca gaaggag 237

<210> 33938

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891978H1

<400> 33938

caagccggaa gctgccgtgt ggaaaacttc tccttcgag cctggactgg actctgtctt 60  
 tctcttcac tcaaaaggct tccacttttg gaggc aaatg gcttatgttg ttgtgagggg 120  
 gctcttcaga atcttgcct aaagggaact tccaacatcg taatcttatt agatcaaaag 180  
 tttcttttg caccagaggt agaatttggc tgataaggct gctttggaag gttttttg 238

<210> 33939

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891979H1

<400> 33939

gaagacaggt tcaaaccgga gcaaaaaaac ttgttacgat ggtttcttcc gacaaggatc 60  
 cacgagagga gtccttcaag catggtacat ggatgatagt gatgaagatc aaagactccc 120  
 ccaccacaaa gaaccaag agtttgtctc gttggaccaa cttgtgaac ttggagtcct 180  
 tagctggaaa ttagatgctg ataaccatga aaatgatcca gagctgaaaa agattcgtga 240  
 ag 242

<210> 33940

<211> 250

<212> DNA  
<213> Glycine max

<223> Clone ID: 700891949H1

<400> 33940

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gagtgtaggt ttggctttga agaaatatta gtttgtttcg aaggaacctt atttttgtac 180  
aagggttggc ctaatttctc tggagaaaat ttactatatg taaaccgaca taagacctga 240  
tcctttaaaa 250

<210> 33941  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891980H1

<400> 33941

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acaatagctc tgcaagactc tacaacagtc aagtttgaaa tatgggatac tgctgggtcaa 180  
gagaggtatg ctgcgttaga ccgctatatt accgtgggtgc agcagttgca gttatgtgtt 240  
tatg 244

<210> 33942  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891922H1

<400> 33942

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caaacaagtt aatagaggag atagcagcaa cagagaagaa tcagtaatca tgaagagaag 120  
tagcagagcg ggtgaaaaga aaacaggagg agccaaagtt gcaagactct tgctagtga 180  
tcaagcacta gctactctag ccttctttgg agttggagtg aacttgggtcc tgttcctaac 240

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247

<210> 33943  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891923H1

<400> 33943

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 taaaaaaaaa ttcttctctt gcccaacagg taagttgtaa aaaaatggac catgacaaga 180  
 ctgggtgcc agetctctct gaaggtccta tattgtgcat caacaactgt gggttttttg 240  
 gaagt 245

<210> 33944  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891924H1

<400> 33944

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 tcggaaatgc ttgctcggga gctctactgc ctcgagcacg gcacgcggcc cgatgggcaa 180  
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 actggt 246

<210> 33945  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891925H1

<400> 33945

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tcgacaatgg cggaacagag acgtttgctt tccaggctga gatcaaccag ctcctcagtc 120  
 tcatcatcaa caccttctac tccaacaagg agattttcct tcgtgaactc atcagcaacg 180  
 cctccgatgc tttggacaag attcgatttg agagtttgac agataagagc aagctcgatg 240  
 ct 242

<210> 33946  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891926H1

<400> 33946

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 gaggttcggg caagctgagc aggaagaaaa gtgggtggtgg aaacggacag gttctagacg 180  
 gttctaatat tatggagttg gttggaaacc agcaagtttt caccaccttc gtggacat 239

<210> 33947  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891927H1

<400> 33947

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 gtacattccg aatcagcttc atcagagaag aaatcaagca atggagtga tgagttgctg 180  
 acttttaatg ctgagaatat gcaaagcaac atgaaaatta tctattacag ccgaacattt 240  
 tta 243

<210> 33948  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891928H1

<400> 33948

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 ctctcttcaa acccaaaactc tcattcttca acggaaagcc cgtcacatat tcttcccgcg 120  
 tcgcgcccac caccaaatta tctcatcca aacaaggcac aatttccatg tccctaacc 180  
 ccccccccta cgacctccag tctttcaaat tccagcccat caaagaatcc atcgtgtcac 240  
 ggg 243

<210> 33949

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891929H1

<400> 33949

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 tgcaggaact gtatgggggg gattggcaaa tcctaaatta acatttagtg acaatgtgaa 120  
 actgagggtt ggcaataaca agctttcttt acttagtggt gctgtcggtc tcccgaatgt 180  
 tgggtgtgcac tttgaaacat ggaatgcggg ggtgttaggc ccagtcactc tgaagggctc 240  
 aaa 243

<210> 33950

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891930H1

<400> 33950

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 tggctgagta ctggaacaag tgatcaaggc caatgattat cagaagagcc ggttcgtgaa 120  
 ccgcgtgggt tcgtcaatgt ttaacactgt tgcaacaaa aagatagcaa ttcttgggtt 180  
 tgcattcaag aaggacactg gtgacacaag ggagacacca gccattgatg tgtgcaaggg 240  
 acta 244





agttctttca g

251

<210> 33954  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891935H1

<400> 33954

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acaaacctcc gaattgcctg tgttctcttc ttgtttttta tcttacacca ccaagatctc 180  
tatgttgaag gaaagaggca cttgaggctt cggttgaaca atcggtgctc gaaagatggt 240  
gaaaaatt 248

<210> 33955  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891936H1

<400> 33955

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agcagttatt tagttgctga ccgaaaccat ttatagtttc tacggagcac aatgttgttc 120  
catgaaactt ctgcaatcaa tcttcttcga aaattgcaac aaaaatacat acaacggaac 180  
tcatccaatt tcaatgggtg cgagagccaa cggaattgag tgtgtttgaa gtgattatgg 240  
gtcctat 247

<210> 33956  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891937H1

<400> 33956

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tggctggaaa caactggccc tcctaacgaa acgaagaatc tcgcatcgga atctggaagc 120  
 acgcgatgtc aacctcgaac cagcaccagt tccgatacac tcaaaccocct tccaagggtgc 180  
 tccaccttcg caaccttccc tgggaatgct ccgaagagga actcagagag ctctgcaaac 240  
 ccttcgg 247

<210> 33957  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891938H1

<400> 33957

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 ctcttctctt catacaaagc aataatccta ttagaatatg gaagagagct tcgttttcca 120  
 gtggagcgtt atcagatctc tcttgccat ccttcagtgg tgggccttca atgtcactgt 180  
 catcatcgtc aacaagtgga tctttcagaa attggatttc aagtttcctt tatcagtttc 240  
 ctgt 244

<210> 33958  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891939H1

<400> 33958

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 cctcgccgag atcagcttct tcttctcct cctcgcacaa ttccaacggc agtggtagat 120  
 acgtatttaa tttgcttgca aggagggaga tctcaccocg gacaagatat gtggcaaat 180  
 ggcattgggg agatcccggg gaagcttcaa aatcaaagtc tattccttat tctcgtccta 240  
 aaaa 244

<210> 33959  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891940H1

<400> 33959

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 agtcaagact actaaatacg cccctaactt gcggtgcaca gcttttagatg ccttgacgca 120  
 tcctttcttt gacgaacttc gtgatccaaa ttctcgcttg ccaaattggcc gattccttcc 180  
 accactatct aatttcaaact cccatgaact gaaaggtgtc ccagctgaga ttttggtgaa 240  
 att 243

<210> 33960

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891942H1

<400> 33960

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 cgggagcgtc cagacgtatc ctcagcaggc tggtagcatt cgcaagaatg gctacatcgt 120  
 catcaaattc aggccttgca aggttgtaga ggtctctacg tcaaagacag gcaagcatgg 180  
 acatgcaaag tgtcactttg ttgcaattga tatttttaat gggaaaaagc ttgaagat 238

<210> 33961

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891943H1

<400> 33961

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 ttggtcacia ttggagggct actacagccc aatagatcag gtggaacaga aaccactggc 120  
 taaccagtat gttaaccctg ccccgttccc tggaaacgga gttcaagtct cacctgttac 180  
 tccatctgct gatgttactg cttacttcag ctctgagcat tcgagcaact cgtttga 237

<210> 33962

<211> 236

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891944H1

<400> 33962

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 tgcattcctg caactactat cctaactctgt aaaatttgtg tacatatgta agaaattcag 180  
 ctgttaatat gtgtatataa ttggtcctcg ctaatcaagt gtagacattc ttgtaa 236

<210> 33963  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891945H1

<400> 33963

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 acacttatgg cactgggaag atccctgaca aggaaatcct cagcattgtg aaggagagtt 180  
 ttgacttcag gcctggcatg atctccatca accttgatct caagaggggt ggaaatg 237

<210> 33964  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891946H1

<400> 33964

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 tggcaaagaa aacagcatag aagatggtgg ctcaggcagt ggatacagca gttggaagcc 120  
 tgaagcaaaa ccaaggtttt caaatgaggg tttggaggag agaataagggtg tgtactcaga 180  
 tgatcaaaat gagaatagca tcataagggg tgggtgagaaa tctgaagaca aaggacacca 240

<210> 33965  
 <211> 262

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891947H1  
 <400> 33965

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 atggtttctt cgcacaagga tccacgagag gagtccttca agcatggtag atggatgata 120  
 gtgatgaaga tcaaagactc ccccaccaca aagaacccaa ggagtttgtc tcgttggacc 180  
 aacttgctga acttgagtc cttagctgga aattagatgc tgataaccat gaaaatgatc 240  
 cagagctgaa aaaggatcgt ga 262

<210> 33966  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891948H1  
 <400> 33966

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 ttggaagcac ccgaaggcca ctccagccaga ctgcattcag gccctcatcg ttgaattcat 120  
 agccaccttc ctctttgtct ttgttggcgt tggttcttcc atggtcgttg acaagcttgg 180  
 tggggatgca ctagtgggat tgtttgctgt ggccgtggca catgcacttg tggtaggctgt 240  
 aatgat 246

<210> 33967  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891921H1  
 <400> 33967

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 accaacgcaa ctctctctgc tcacattttt gaaggagatg gtgaacgtga tggagtggca 120  
 gaagcagcgt tggcaaccga atgggaacgc ggaaatgatg tacgtgaaag tgatgaccga 180  
 cgaacagctc gagactctgc gcaaacagat tgcagtttac gcaaccatct gtgaacaact 240

catcga

246

<210> 33968  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891887H1

<400> 33968

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 ggcagaagga tatcttttac ataactggaa ccagcaaaga acaactggaa aactctccct 120  
 tccttgagcg gcttaagaag aaaaattttg aggttatttt cttcacggat ccagttgatg 180  
 agtacttgat gcaatacctg atggattatg aagacaagaa gttccaaaat gtgtccaagg 240  
 agggtttgaa acttgga 258

<210> 33969  
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<223> Clone ID: 700891888H1

<400> 33969

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 ggaagaacgg caatctgaaa ccctacgtgg ttttctgggt ggaccggag cggcgccctg 180  
 ccacgaaatc cgacgactcc ggcaacacct ccccggtctg gaacgagcgt ttcgcctac 240  
 ctctccctgt tcccctc 257

<210> 33970  
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<223> Clone ID: 700891890H1

<400> 33970

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gcagcggggg aaaaagaaaa gagagaagta gggttcgaaa atggcagcag aatcatcaga 120  
 gggcgaagaa gaaaccaagt taagcggagg taaccaattg ctcatagttg acgatgactt 180  
 aacggaaatg ggaaagaaag ccgcttggag cgtgagttcc tgcaaaccg gtaacggcgt 240  
 ttctctctc cgtgacg 257

<210> 33971  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891891H1

<400> 33971

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 gttagtttgt tggcttgccct cgcttcttact aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggccccc ccaaaaaaag cccccccacc 240  
 cggg 244

<210> 33972  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891892H1

<400> 33972

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 tatcgcaaaa gctgagtga tctgaggcca caaacaatcg cttgaagtct gaaatgagga 180  
 ctgagatgga tcggttttct cgggaaaaga aggaactagc agaacaaatt caagaagttg 240  
 agagtcagct tgaatggat 259

<210> 33973  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891893H1

<400> 33973

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tatttcccg cgcctccgtc gtcgtcaaca gcaatggcag actcatcttc tccgccgacg 120  
aaccaactcg ctgccaccac cctcgacgag gttcccaaag ccaatttttc cgaccgcgtc 180  
cccattcgat ccatcatctc ccgccccgac ggcggtctcg gcctcgccgg cagcaaggcg 240  
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<210> 33974

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700891894H1

<400> 33974

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tcgtggggca cagatgggtg gtgtttgtgt gcgcgatgtg ggacatgtcg tttgcgggga 180  
catcttacat gttcgggagc atatcgccgg tgataaagag cagcatgggt ttcaaccaga 240  
agcaggtggc gttcttgagc 260

<210> 33975

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891895H1

<400> 33975

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tggacgtttg gaactcaagc caatctgtgg ggtatgtgtt tattactgga cattttgtcg 120  
atagtgattg gaagttgcag aggagaattc tgaatgttgt gatggaacca taccctaatt 180  
ctgactctgc tctcagccat gctgtagctg tttgcatttc tgattggaat ttggagggca 240  
agctgttttc tatca 255



<210> 33976  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891896H1

<400> 33976

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 ggtcttctat tgtcggagtg tgtgttctga attttgttct gaacttcaag atcgtggcag 120  
 tagcagatga cactggaagc aacagtattg tatcagaagg tgactgcaag aacacaaatt 180  
 atcagatttt cctccctcca ccttatcaga atatatcctc taccatatgc aaactgttt 240  
 ggcattcata cgaattgagg t 261

<210> 33977  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891901H1

<400> 33977

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 ttccccctgt ttatcaaagc tcgtgtgctt ttgtactccg atggttgtga gtactgatgt 180  
 tgaaacaaga agaagagtct aatgactaat ggtgtctcga attatttttg ctgtctgtac 240  
 aacgtggctc gttttcat 258

<210> 33978  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891902H1

<400> 33978

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 atctaagcat gactctctcc catcttgccg gaaaacaagc cttcgaaaac ggtgctatct 120

ggttgcaaag cagcagaaga cgcgcttcta catcttcgga cgctgcatag ccatgtcct 180  
 ctgctggcac gaccacactg tttccgatta gatccttcac tcgcgtttca gctatgaaaa 240  
 cattgaaatt tcgatt 256

<210> 33979  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891903H1  
 <400> 33979

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 ggtcaaggcg gggtttgcag gtgatgacgc tcctagggcc gtgttcccca gtattattgg 180  
 gcgaccacgc cataccggtg taatggttgg gatgggtcag aaggatgctt acgtgggtga 240  
 tgaagctcaa tc 252

<210> 33980  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891905H1  
 <400> 33980

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 tgtggtggtg gaggcctcagg agaactcgga cgtgaagacg ctggtgaagc acatgcacgg 180  
 gaagaagtac tgcgacaaag gatgggaatg taagggtcgg tcaatttact gttgtaacct 240  
 cactattac 249

<210> 33981  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891906H1

<400> 33981

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ccaatgaaaa gatcgaaaca ttaatgatca atactggaca ttacgtgcag aggagatacc 120  
agaagaagag aaaaatctgg gtcctcatga tcgtctaata catgtgtatc attttactaa 180  
agacacagct cagaatcaaa tgcaaattca gaactttggg gaaccttttt cttggtcata 240  
catgaagg 248

<210> 33982

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700891907H1

<400> 33982

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ttcagcaaca cgtaactgcc ggttccttga actcacttcg gttgttcatt atgatttgct 120  
ttctctctcg tgggttggga agctccttca ttgcttcctg tggttgccaag aggaattcaa 180  
ggccattctc cacagccaca gggctcaggt gttgagaccc ccattggatc gcatgggtgc 240  
tgaat 245

<210> 33983

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891908H1

<400> 33983

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caaaagacgg gtttttcatt aaaggccctc ataagggagg gttttttctc atgcatgtgg 180  
ctagcagcag cagcaagtgc aagggtggcca tgagcatgac catggtcaac gaccctttga 240  
ggagaat 247

<210> 33984  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891909H1

<400> 33984

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 aacagcaatg gccaacacta acttggaacga tgttccctct ctggatctca tgactgagct 180  
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 tggatctggg 250

<210> 33985  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891910H1

<400> 33985

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 aagcaaaatc tcaacttgca aaagcttcaa aaacccaaag atcaaattcc tctttgacat 180  
 gcttgctttt ggtgattttt gggattgtgc ttctcatcgt gatcatagtt cttgctgctt 240  
 ag 242

<210> 33986  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891912H1

<400> 33986

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 aatggacgat gctccgatgg acgccttacc ctcgatttcc tcgcccagtc tctgggggctt 180

ccgtatgtga aaccgtatct gggtttcaag aacggcgcgg tgaaacgcgg gaatattgag 240

c 241

<210> 33987

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700891915H1

<400> 33987

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agaatttgct aggcaacagg tgtggagggt gtggacaacg agtactttat cacacctgac 120

aacgttggca tgctcaagct ggcaaaggaa gcaaacacaa tcctgtttga ttaccgaatc 180

ccaacatcgg ggtacgagac gtgcggatcc ggtgtggaga gtccactgca aatgaatgga 240

ctcccaat 248

<210> 33988

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891916H1

<400> 33988

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catggcacct caagcagttc cttcaagtcc ttccgcttg ctcttattgt ggcgcttttc 120

ttctccgct ccgctctgga cttagtttcg gggcagtcgc cgggtgccgpc gccggcgccg 180

gcaccatgat gccggagcag ctggatccgt gtcgagctcg gtcgccatga ttggagcttc 240

cgttgtgatt 250

<210> 33989

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891918H1

<400> 33989

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tctggaatga agaatcccag ctaaaacctt ttagggacaca tttctcctcc attgaaaagc 180  
agagcacttc agaatcattt cagaatgctg tagattgtgc tgtggatgaa gtcacaagac 240  
gagccgaata t 251

<210> 33990  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891919H1

<400> 33990

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cgatgcgaaa aggaaaggaa aaaaagggtt tcctttcttg aattgctgct tgcttcttct 180  
tcttcttggt cactgactgac agataagggtg agttgaatta ctgtgaagga gtgattgagt 240  
gagtgggtca 249

<210> 33991  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891920H1

<400> 33991

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tgaagtggtc tacagattta ctggctttgc tatcacatta gtacctataa gaaaaccag 120  
gttgcgcttg ttcattggaat ttcaatgggt ggaggtgcag ctttgatggt cccattgaag 180  
ttctcagttg taacagaaaa aactgttttt gccactcctg aagcaagttt tggatttcat 240  
actgattg 248

<210> 33992  
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<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891886H1

<400> 33992

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 tttatgaaat gagcaaagga tccaaatatt ttcaaaacga ggaacgcaag gtagctttta 180  
 ttaagcagaa aattgataac ctgcgaattc agtgtgcaaa cctcacacaa gaagacttgg 240  
 cccattatca aaaggttgc 259

<210> 33993  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891859H1

<400> 33993

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 ttctacgtgg atccctctgt tctggttcgt acttatgaac aagcattggc tgaccagagg 180  
 aagtggctta gtgatgacaa aattgaagaa tggaggactg ctttgactaa attatctaaa 240  
 tttcttggtt tctgtg 256

<210> 33994  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891861H1

<400> 33994

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 tgaggcgcca tggcggatcg gttgacgcgt attgccatcg tcagcaacga cagggtgcaag 120  
 cccaaaaagt gccgccagga gtgcaagaag agttgccccg tcgtcacgaa ccgggaggtt 180  
 gtgtattgag gttacttcct cgtccaagat tgctttcatt tcggaggcat tgtgtattgg 240

atgcggtatt tgtgttaaga aa

262

<210> 33995  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891862H1

<400> 33995

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ttccgcgaag aagacatgga cgacgacgac gacgagtctc aggaggacgg agactacgca 120  
gaagaagacg acgacgtttt ggccgacgac gaagaaaacg agccctctcc ctaccacggc 180  
tacttgccgt caccgtcgcc gtccccgggt cctccgtctc caacggcggt gccgtccaa 240  
tttcgacgcc caccgccacc accat 265

<210> 33996  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891863H1

<400> 33996

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cttgttgttt tcaagaaacg agttgaaaac gctactttgt tttaaccaaca tggtttaccc 120  
gctgattgtc ccagtgtcac cttcaccaaa ccccttatag agttaatgga gcctctcgtg 180  
agtgagaaac aacaacaacc accgattgag tttcgcaaga ggaatattcc ctatttgcct 240  
aagtttgtgg atgtttccac tag 263

<210> 33997  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891864H1

<400> 33997

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tcaagtttgt gaagggggat attggaagtg ctgatcttgt caactacctt ctcatccttg 120  
 agtccattga cacaataatg cactttgctg ctcaaacca tgttgacaac tcctttggca 180  
 acagctttga gttcaccaag aacaacattt atgggtactca tgtcctatta gaagcctgca 240  
 aggtaactgg ccagatcaag aggtt 265

<210> 33998  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891865H1

<400> 33998

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 tctttctcct tttgtcaaatt tcttctgttc aacagggtctt tgccaatgga tactaagtcg 120  
 gctgtagaat taatggagtc ttccgcagag gttcattttt ctggatttca catggatggt 180  
 tttgagcaaa tcaaggctag catagaacaa ccaacaacct cagaaactga catgtataaa 240  
 caaccttttg tcataggtgt tgc 263

<210> 33999  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891866H1

<400> 33999

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 atgtaaatta tctccctttt tttccttaca ttatcaaatt aattagtaaa tgatttaatt 120

<210> 34000  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891867H1

<400> 34000

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tctgtctccc aatcaaaaca gacatgggtt tgaaggagga ttttgagcag tatgctgaga 120  
 aagcaaagac tttgccaccg actcagtcaa acgaagactt gcttatecctt tatggattgt 180  
 acaagcaggc caccgttgga cctgtcaaca ccagccgtcc ggggaatgttc aacatgaggg 240  
 acagagctaa atgggatg 258

<210> 34001  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891868H1

<400> 34001

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 gatgtgaagc attacccaaa taagggcagc gatgtctcac cagatcggag acgacagatg 120  
 ctaattcgcc tccgtgtttt gaccgagttc gtgccactga gtcggtctcc gccgagttac 180  
 tcacttcaca agaagatggt aagtctgcag acaggatctc agatgctgct cttgaatctg 240  
 cggttctgca gtctatcc 258

<210> 34002  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891869H1

<400> 34002

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 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180  
 ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240  
 agagtactct tcacctcgtc 260

<210> 34003  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891870H1

<400> 34003

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gcaatatttg agaatttcat tgagctgtgc ttctaggaat gacatgttgg aagcttgtga 120  
tagtcgtaat ttggaccttc tccagaagga gtttccacta cagtaaggga gggtcagtgc 180  
cactgtggag gtggttgctt gaacatgaat cctaattttc cttaaaactt ttggatgagt 240  
aaatggcaca ttttctgc 258

<210> 34004

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700891871H1

<400> 34004

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cacgggagag acgaccgtag tagaagctcc tgggctgaag tcgtctccca ggatcaacaa 120  
gatcaccttc ttctcatca ccaacacaag gaacaatata gtcctcagta cgaggagccc 180  
caatctcaaa gttcctacaa accccagaag gtggatgaag gtgaagatgg atggcagact 240  
gttggtagaa ag 252

<210> 34005

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700891872H1

<400> 34005

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ttcacactcc acctcctaca gtttgcttat gctttagcca taggtttctc taatcaatca 120  
ccacaaaagg gtatacatgg aggaacataa ttctctgagt ggcatgaagc agagaagcta 180  
tgccacatc ttagcaaacc ggcaagtcac aaaaaggcaa tggactctct ctcattaaag 240  
ggccttatg gctatgta 258

<210> 34006  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891874H1

<400> 34006

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 aggaactggt gctgttggat tcacttctaa ttctgatgga gaggtaaaag aagtcaaact 180  
 aaaggatggc agggctcctgg aagctgatat tgttgctggt ggtgttggag gaaggcctca 240  
 aacagcctta gtcaaa 256

<210> 34007  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891875H1

<400> 34007

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 cttctttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120  
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180  
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccagcac 240  
 caacttggtc atggt 255

<210> 34008  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891876H1

<400> 34008

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 aacttgga atctcaacgg tgaggcgagg taagctaccc tgcaccagat tgaagatgct 120

tgccagaact ggggattttt tgagttggtg aatcatggaa tacccttga acttttggat 180  
 acggtggaaa ggttaacaaa agagcattat aggagatgca tggcgacgag gttcacggcg 240  
 gcagtgtcaa gcaaag 256

<210> 34009  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891877H1  
 <400> 34009

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 gagcttgacc ctttctctga cctccttggc ttcgatacca ccaccaccac caccaaccaa 120  
 ccaccccttc cagacaaaaa agtggtgtca tcatgtgaga agaagaagaa gaaaagtgtg 180  
 agtgcagaaa agaagagtgg tgggagagct cggaagaacg tgtacagagg aatcaggcaa 240  
 aggccgtggg gcaagtgggc 260

<210> 34010  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891878H1  
 <400> 34010

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 ggcacagttt cctctgcaaa caatgtcacc aattgggttg gtaccatttg gatgacaccc 180  
 atattaggcg cctacattgc tgacgctttc cttggccgct attggacttt tgatcatagcc 240  
 tccaccgttt atctctcggg 260

<210> 34011  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891879H1

<400> 34011

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 gatacgatgt gattgggaaa aggaggagga gaaagcttgc tttcgtgtaa gtaagtggtc 120  
 aaaatctaac tocaatggca atctggaagc ctaccaatta acatttgatt tagccaatgg 180  
 atcgtgtttg ttattcacca atctggattc tatgagtttt gccgttgat tggaatgctgc 240  
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<210> 34012

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700891880H1

<400> 34012

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 tctgtgatgg caccaaaacc gataacgagt cccgaccccg attcgtggta ccccatcctc 120  
 tccgtcttca ctctcgccat cggcctcgtc ttaaccgcct ctttcttcat ttatgaagca 180  
 acatcttcta ggaaaagtcg ttcacttggt caggagctga caactggagc agtggcttca 240  
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<210> 34013

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700891881H1

<400> 34013

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 ccacaggcac aggagaagaa gacacaagca caagcacaag cagagagac accatgcact 180  
 ttctctgggt ccagcaccta caactattat tcggagaagt cccccagcac cacttgctga 240  
 cgatattgct acaaccgatt caga 264

<210> 34014  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891882H1

<400> 34014

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 gattccttga acttgagtta tctaatacaa ctgatgtcgt gtttgaaatc aatgtctctg 180  
 tcaaactgga gaactctagc aacgaggaca atcattttgc tgatcagggt gctacagaat 240  
 atgtctatcc taaaacaaga 260

<210> 34015  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891883H1

<400> 34015

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 tgctttgcta tcttacagga agaggatcaa aataccccac cataagacaa atccaaagga 180  
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 gaagaaaaca agtggcctt 259

<210> 34016  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891884H1

<400> 34016

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ccaccaccga gaccttggtc atgggagtggt cacctgttaa ggctcaattt gaggggtgctg 240  
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<210> 34017  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891858H1

<400> 34017

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 acttgagcac ctaccaagag cagctgggtg aagaagccaa tagagctttg gaagtattac 180  
 aaaaggaagt ggcattgcat agactaggta accaagatgc agctgagaca attgcaaagc 240  
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<210> 34018  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891829H1

<400> 34018

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 agctccctag agtctcaagt agtccatcac tcaaagtgtc tggatctcaa atgggtactc 120  
 aggagaacaa gaattctcca ttgcaagacc taatggaagt ggccaattct caagaggagt 180  
 ccgcaatctc tgaacaaaca ccaaaggag aactgggga gaaaccttcc cttatgtgc 240  
 attctaggaa aagaaaaggt ccatcc 266

<210> 34019  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891830H1

<400> 34019



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 tttgtgaaaa ggcatctcac cggagaattc gagaagaaat atgagccaac catcggtgtg 180  
 gaggttcacc cattggattt tttcacaaac tgtggaaaga ttcgattcta ctgctgggat 240  
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<210> 34020  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891831H1

<400> 34020

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 ccgaaagcca aaggggaaga aaaagggtgc aagaaatatt agtgggagcc ttcctcgtgg 180  
 agttattaat gtaactcctc agatgcaaga gcagagggtg aaaagtgtg ctgttggttac 240  
 agatctcaag cctcgtccag cagaaaat 268

<210> 34021  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891834H1

<400> 34021

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 gatttgactt gtcctgatgg tacttttgcc agagctgctg ttccaagtgg tgcattccact 180  
 gggatttatg aggcccttga attgagagat ggaggatctg actaccttgg aaagggtgta 240  
 tcaaaggctg ttgacactgt gaa 263

<210> 34022  
 <211> 260

<212> DNA  
<213> Glycine max

<223> Clone ID: 700891835H1

<400> 34022

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gaagctgttt ggccaaacac tcccattccc actgcactgc gagagcttct aaagcctctc 180  
cctgcagggtg ttgaaatcga tgaactccct aagcaaattg atgatacaca gtacccaaaa 240  
acattcttct ataaagaaga 260

<210> 34023  
<211> 261  
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<213> Glycine max

<223> Clone ID: 700891836H1

<400> 34023

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tggtatgtgaa gcattttcca cataagggaa gcgatgttca ccagatcgga gacgcagatg 120  
ctaattcgcc tccgtgtttt gaccgagttc gtgccactga gtcggtctcc gccgagttac 180  
tcacttcaca agaagatggt aagtctgcag acaggatctc agatgctgct cttgaatctg 240  
cggttctgca gtctatccct t 261

<210> 34024  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891837H1

<400> 34024

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gcaaagagag gaccgaagag aactggaagt ggctgttcaa ggaaaccggt ttcgcgcgtt 120  
acaacatcat caagatcaac gctctccctt ccatcattga ggcgtttcca atctgaagaa 180  
gatgccacta ccacaactgc atgtggtttt tatgttgcat gtgttggtg 229

<210> 34025  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891839H1

<400> 34025

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 ttggtgagat gggactgaat attcaagaag ctcatgcatt ttccaccact gatggatttt 180  
 ctctggatgt ctttgttgtt gagggatggc ctaatgagga aactgaggag ctgaaagggtg 240  
 tgttgaaaaa ggaaattttc 260

<210> 34026  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891840H1

<400> 34026

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 ggccactacc cctacgcaa ccaaagagga ccctcttcac cacgaaggca gtgtcaaact 180  
 ccaagcctca aatcaatgca tctttgaagg agaaggcagt tgccggactc acagcagctt 240  
 ctgtgacagc atctatggtg gt 262

<210> 34027  
 <211> 109  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891841H1

<400> 34027

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<210> 34028  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891842H1

<400> 34028

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 gaaagggatt ttggtttcat gctccgctgg gaactcgggt ccgggtccct acagtctctc 180  
 caatgtggct ccatggatca ctaccgtagg cgctggtaca ctggatcgtg acttccccgc 240  
 atacgtggcg ctcggaaa 258

<210> 34029  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891843H1

<400> 34029

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 tcaacattga gcagcagagc cctgatattg ctgagggtgt acacggccac cttacaaaaa 120  
 aacctgaaga aattggtgct ggtgaccagg gtcacatgtt tggctatgcc actgatgaaa 180  
 cccctgaatt gatgccattg agccatgttc ttgcaacaaa actcgggtgct cgtctcaccg 240  
 aggttcgcaa gaacggt 257

<210> 34030  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891844H1

<400> 34030

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ctgtggattt gatgcttaat ctttcttcta aggaggccgc aaccactgct gctgctgctg 180  
 cagatccaac tgataagcac aagactttgc ctaaggagaa gacccttctg ccagcagatc 240  
 ctgctaagcc tccagccaag 260

<210> 34031  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891845H1  
 <400> 34031

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 atacagtact tgtcaaacac caaatTTTtac cgagctgata gggaaaaact tagaaccttg 120  
 tttgtgttcc tgggagaatg tttgaagttg gttgtggctg ataatgaagt gggaagtta 180  
 aaacaagcct tggaaggtaa atatgtggag ccagggcctg gtggtgaccc aataagaaat 240  
 ccaaaagtct tgccaacagg a 261

<210> 34032  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891846H1  
 <400> 34032

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 taacgtttcc tgaagatcat gagacctgga atgttcagtt gtttagatcc attgatggtg 120  
 gggctgcttt tgggttcccc gagactcctg aagatgctgc cagagctggt cttattagt 180  
 ggaaggataa tatcattgat cgtagcattc aagatgctta tattaatgct attcgacgtg 240  
 caaagaactt catctatatt gaa 263

<210> 34033  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891847H1

<400> 34033  
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 aaaaatcatc ctttctaaat acatcatgaa aacagatgat gatgcctttg ttaggattga 120  
 tgaagtgctt tccagcctta aaggaaagcc atcggaaggc ctcttgtagc gtctcatatc 180  
 ttctaaatca tctcctcaga gggacgaagg cagcaagtgg tacatcagtg aggaggaatg 240  
 gccccatgat acatacccac catggg 266

<210> 34034  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891850H1

<400> 34034  
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 aaactgtttg aaaatgcctt ggcttactat gataaggaca cccagatag atggatgagg 120  
 gtggcagcca tgattccagg gaaaactggt ggtgatgtga tcaaacagta cagagagctt 180  
 gaggaagatg tgagtgtcat tgaagcaggt ttgatccag ttacctggct atactactgc 240  
 cagttctttc acattggagt gggt 264

<210> 34035  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891851H1

<400> 34035  
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 actgacatta ttgcaaaaat gaatgtagag acagagtctg tggtgattaa cgttttggaa 180  
 aagaaagtaa cacttacttt cagattacca tcaatagga aagttaccac tcggaaaatt 240  
 actcacatca acaacagg 258

<210> 34036  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891852H1

<400> 34036

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 ctccacctcc tggaacattg taccgcgcaa ttggcaattt ggtcaaacaat tcaccgccaa 180  
 aaatttcaga gtctaataat tactgtgttt gatgggtttt ttgttaaatt gtttatttaa 240  
 tttttataat tttttttt 258

<210> 34037  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891853H1

<400> 34037

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 aagaagattg taattactaa tagtgtatgt acggtttgcg ggataaaaca gtgatgagct 120  
 tgggtgtggag aatggaaaaa ataggggggtt agtgggagtg gagtttggga acaatgttat 180  
 gcggcaccta tctgtttgta cttatattgg cttgctttta tgttgttata ttgagtcatg 240  
 tttccgtaat atttggt 257

<210> 34038  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891854H1

<400> 34038

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 aggacttacc ctcaaagat ttgtcttctt tggtgcagaa gaaccgtgct ttctaattctt 120  
 gtaattttct gcgttgcttc gtgggttaatt cttcgtgttc ttgtgatctt tctgttggag 180

tatttacaac actcctttgt aagtttaact aaagaggcta attaattttc aattggacca 240  
cagcagatgg ctgaggg 257

<210> 34039  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891855H1

<400> 34039

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ccggctacat cggcaaacat atagtggaag caagcgcaaa ggctggaaat cccacttttg 120  
ctttgggtgag ggaatccaca ctctctgacc cctccaaggc acaactcatc cacaattttg 180  
aggctttggg cgtaattttg gtccgcgggg atctgtacga tcatgagaag ttggtgaaag 240  
ctatcaagca agtagat 257

<210> 34040  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891856H1

<400> 34040

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cttccttaag taagggtgcac ctgccatgct aacttaagga agatagacct aaatgttacc 120  
aagagctacc cagaacttct caaggccttg ggaaatatgt tcaagtgcac atttggtgaa 180  
tattcagaaa gggaagggtg caatggatct gaatatgctc caccttatgc tgacaaggat 240  
ggggattgga tgctgggtt 258

<210> 34041  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891857H1

<400> 34041



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 ttgctgtgga gattttcgga cttcttgaag tgggcagagc tttgtccctc tgaaccagaa 180  
 attggacatg ctttaatgcg tttggtgatt actggacaag aaataccaca tgcgtgtgag 240  
 gttgagcttc ttattct 257

<210> 34042  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891828H1

<400> 34042

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 atgtagaggc atgcagtcca tggatttggg tgctttttgg cttgcagttt ccaattgcac 120  
 ttttggtggt tgggtatgaa gcagtgaagt tgtacaagga gcacaaaagg agaatgagca 180  
 caaggaacct agaatgcac tgtgaggctt ctatagaatg gactgctatg agccttgcac 240  
 tttgttcatt gtgtggcatt g 261

<210> 34043  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891803H1

<400> 34043

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 cccagcttcc atttaagaat ggagatcact agaataggcc aatggttaag tcttctgata 120  
 tgtgtactac tattactgca gacagaaggg gttcctgtgg gaatcacttt tgttgaaaat 180  
 gcagtggcaa aaggggctgt ttgtttggat gggagtcctc cagcttacca cttccacaag 240  
 ggatctggag cagggattaa caactgga 268

<210> 34044  
 <211> 269

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891804H1

<400> 34044

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 caagaccctc accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa 120  
 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180  
 cgccggaaag caacttgagg acggccgtac ctttgctgac tacaacattc agaaggagag 240  
 tactcttcac ctgctcctcc gtctccgtg 269

<210> 34045  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891806H1

<400> 34045

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 acatgtcgaa cacatgcggc aactgcgact gcgctgacaa gactagctgc accaagggaa 120  
 acagctatgg tgttattgta gagactgaga agagttacat cgagactggt gtcattggatg 180  
 ttccagcagc tgagcatgat gggaagtgca agtgtggcac taactgcact tgcacggact 240  
 gcacctgtgg ccattaagga atatg 265

<210> 34046  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891807H1

<400> 34046

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 atgtcgactc tgggaagtca actaccactg gtcatttgat ctacaagctt ggaggtattg 180  
 acaagcgtgt gattgagagg ttcgagaagg aggctgctga gatgaacaag aggtcattca 240

agtatgcctg ggtgcttgac aagc

264

<210> 34047  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891808H1

<400> 34047

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ttggtaagct ttaacctttc aatgcttctg ctgacccctg cttcctaata ttggtaagct 180  
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tactcggtca cattttcacc cttttt 265

<210> 34048  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891809H1

<400> 34048

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atacttgggc gaggcaaatg tgcaagcaat gcagtttgat aaagcagagg agctgtgtaa 120  
gaagacactg gagattcacc gggcacatag tgaaccggct tcgcttgagg aagctgcaga 180  
taggaggctc atggcgctga tttgcgaggc gaaggagat tacgaatcag cgttggagca 240  
tcttgtgctt gctagcatgg ct 262

<210> 34049  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891811H1

<400> 34049

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tgcaaagtga gctgccaaca ggaaaaccag cacgcctcgt ttgggcagaa agtttctgac 120  
 ttgttcaaag ggcataca taatgaccac agtccaatt atgccacca aaccaaagtg 180  
 ctttcccagt cagggtcagg gttaggcccc ttcaccacca aaactcaaac acaatgcggt 240  
 tgcccccaaa cacatctcag tac 263

<210> 34050  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891812H1  
 <400> 34050

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 gaagaatctg agaagtctgt atctgaggtg aatgatgaag atgatgatga ggaaggcagt 120  
 ggcgaggaag aggatgacga ttagagaatg gactgataat tgcatttatg taggttctga 180  
 tgattttgat catctgttgt aggtgggtctg gtcatttctt gataaacata tttcttgctt 240  
 ccaaaaaata tttccctgct ccc 263

<210> 34051  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891813H1  
 <400> 34051

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 actcaggcca tatctaaggc ttttggtttg gaacctgctg gagttaataa ggtcacatgc 180  
 tcccttcagg ctgatcttaa ggacttggct cacaagtgtg ttgatgctac caaaattgca 240  
 ggctttgccc ttgccacctc tgctctc 267

<210> 34052  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891814H1

<400> 34052

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ccagcttcac tgttccccctt gttcttgcca acatcatctt cttccattga ttcattcaacc 120  
tcatccaggt ttccaggacc ttcacctgtt tcagctgggt aaatttgtgt ctcgtcctct 180  
aacatcatct catcaagagt gaggatgatt atgaacaagt caactccgag gtgcctatga 240  
atgagtgatg ggggaaatg 259

<210> 34053

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700891815H1

<400> 34053

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ggcggcgatg gatacacacg cggctgctcc gccaccgccg ccaaaggaac cctttattcg 180  
gcgctacaag ttcgtttggc ctgtgctttt ggctgtgaat ctcggtgtcg gagcttattt 240  
gtttatgggc gacaagaaga aagatactgg tg 272

<210> 34054

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700891816H1

<400> 34054

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caacacataa ttccacaggt tttggagatg attagcaatc ctcactattt gtatcgaatg 120  
accatactcc atgctatctc tctacttgtc cctgtgatgg gctctgaaat cactcgttca 180  
gaattattgc ctattgttat tactgcatct aaagacagag tacccaacat taagttcaat 240  
gtggcaaagg tcttgagtc aatcttcccc 270

<210> 34055  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891817H1

<400> 34055

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 agttaccctt tattgatcta gaaatacaaa ctgaaaagga gattgaattg aggctgctgc 180  
 cctcacttga tacactgaag gtgaaagata agaaggatcg agggaaactta aacagtaaag 240  
 gtcattgtatt atcagtttaa c 261

<210> 34056  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891818H1

<400> 34056

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 gaagagaaaa aatcagatga gaagaaattc aaggagaaat ctgcgccgcc agaaatcgtg 180  
 cttaaagtgt tcatgcattg tgaaggttgt gtcgcaagg ttcgtcgctc cctacaaagg 240  
 attcccagg gtcgaagata tactcacag 269

<210> 34057  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891819H1

<400> 34057

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cttcatctct ctcacacact cctctcacta gctctgttca ctgtcttagg aaccctagaa 180  
 cagcaaccca gataaactat tccaagacac acaccacaga aagagagaat caaaacaatt 240  
 aagccttgga tctgcatagc aaaggcaa 268

<210> 34058  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891820H1  
 <400> 34058

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 ttcaacccaa ctcgtttaag actgtagtgt gtggaggatt agctggatct acggctgctt 120  
 tattcacgac tccttttgat gtgatcaaga ctagattaca gacacagatt cctgggtctg 180  
 caaatcaata tgatagtgtg ctccatgcc tttacaaaat tagtaagagt gaaggattga 240  
 agggcctgta caggggggttg attcc 265

<210> 34059  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891821H1  
 <400> 34059

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 agttttcatt gttatgggtct ccgtagttaa caaattttat cagcatgtta cattattact 120  
 ccattctacg ttaggttggt gacgaattga gttattctgt catcagttga aattgagttg 180  
 agagaatatc caaatcgttt ggcaatctgg tgggtggaggg ggtatcaagg taggaaaatt 240  
 gtactttgat taggtagttg gtga 264

<210> 34060  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891822H1

<400> 34060  
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 gaagccttgc atggcgagcc aaagaatagg agaaacgggt ttgtctgagt caggaccttc 180  
 aagtcaccat atcccttatg gagttcttca tgggattaat acttcatcat cagccctaata 240  
 caatcaaggg tcagcttttg at 262

<210> 34061  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891823H1

<400> 34061  
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 ccgaggaaat ccagacacac gtcgtcggtt tagcagatta ctatgttgta gccgatgatg 180  
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 ttcaccagaa tgaaaatggt act 263

<210> 34062  
 <211> 261  
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<223> Clone ID: 700891824H1

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 tgcggaggct gcaagatgta ccagacttg agctacaccg agtcaaccac caccgagacc 180  
 ttggtcatgg gaggggcacc agttaaggct caattcgaga gtgctgacat ggggtgtccc 240  
 gctgagaacg atggctgcaa a 261



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<223> Clone ID: 700891825H1

<400> 34063

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 gtacattgaa accagttccc ctgatcccat cttccatgtc tgctacggcg gcatgatctt 180  
 ctctacctc gtcgctctcc cccacgagcg ccgccacctc ctccacgccc aggagcacgc 240  
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<210> 34064  
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<223> Clone ID: 700891826H1

<400> 34064

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 cactgtctgg gatgttgagg gtcaggacaa gatccgtcct ttgtggagac attacttcca 180  
 aaatacaaa ggacttattt ttgtggttga tagcaatgac agggaccgag ttgttgaagc 240  
 tagagatgag ttgcataga 259

<210> 34065  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891827H1

<400> 34065

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 tttgtgatgt aaaagtgagc tgcaatgggg gaaagaaaag aagacagact attatttatg 180

tgtgtgtatc aatgttgtgg tttattatta ggagccaggg ttgcttcctg ttttgcttg 240  
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<210> 34066  
<211> 272  
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<213> Glycine max  
  
<223> Clone ID: 700891802H1  
  
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ccagtggcgc cattggatca taggtggccc tctccacca ccagcgtggt tatacggacc 120  
atgccaccgt ccaagacatc aaggatgaaa atgagacgaa acatttggag gaaatggaag 180  
gagcaaagag tcgtctccat ttttttgaaa tggatcttct tgacatcgac tccattgccg 240  
ctgccataaa aggttgctcc ggcgtaatcc ac 272

<210> 34067  
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<213> Glycine max  
  
<223> Clone ID: 700891761H1  
  
<400> 34067

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gcacaacact tgtgaggatt cactgttagc tgctcctatt atcttggact tggtccttct 180  
tgctgagctt agcactcgaa tcgagtttaa agctgaaaat gagggaaaag 229

<210> 34068  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891762H1  
  
<400> 34068

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gcaccggcct tccagcgct tcaattctcc cttctggact acaaattctg ttgtcctat 120  
 ttggaacaac aactcctctt taaccgttgg agctagaggt ccaattctgc tggaggatta 180  
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<210> 34069  
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 <213> Glycine max  
 <223> Clone ID: 700891763H1  
 <400> 34069

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 tcgtggagga tgagatgcgt cgcagcacca agaagccac cgatttcctc aatgatttcc 120  
 ctctcttccc caactccatt ttccagaact acccaatgat tgccagagag tacgaacgtg 180  
 tgagagctgg aaggcctccc gttgctcttg atagatcgcg ctacgatttg gaa 233

<210> 34070  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891766H1  
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 cgggtgattat aaaaatggag acacctcttt gaaggatgga gatatagtta aatcaaaaga 180  
 cctcgagggt ggaagtagtt ctgcagacaa tgttgaagca ggaactgcag ttttcc 236

<210> 34071  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891767H1  
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ttttgatgaa tttagttaat ttttagttcg cgtaatgatt ttacatgaac gatttattta 120  
 gttaatttag tttgcgtaag gattttacat gaacgattta tttagttaat ttagtttgcg 180  
 taaggatttt acatgaacga tttagtgagt taatttttag tttgcgtaag ta 232

<210> 34072  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891768H1  
 <400> 34072

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 ccgccacccc accaaccac gtgggaccac taccaggccc aggaccatca ccaccctctg 180  
 ggagtttccc agccccacca cccaccccc ttcatgtcct tccccagt 228

<210> 34073  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891769H1  
 <400> 34073

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 aaacctaaat gaagaaatgt tgattaaaag gaaacgacaa aaaaaggggt aggaggaagg 180  
 ccaagggttt ggggtgtata acagtgatgt agtagtcctt gacctttct 229

<210> 34074  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891771H1  
 <400> 34074

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gctggtggag cacatggtgg tggttttgga ggaggtggtg gaagtgggtg tggccatggt 120  
 ggctatgttc cctaagaact actcttcaat gcacaataga tgtgcaagtg tcccctttcg 180  
 cgtatcaaga ataataagta tgctattaat aacaggatca taat 224

<210> 34075  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891772H1  
 <400> 34075

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 agtggatcgc cctgtatcga cctccatcta ttttctcggt ccttctggga gtgtgtctcg 180  
 cctccatcgc ataccctgcg ccgaaacctg gcatcattac atcggcga 228

<210> 34076  
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 <212> DNA  
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 <223> Clone ID: 700891777H1  
 <400> 34076

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 catggcatag aatttgaggt tttccacaga agaagatcta gctaggaaga agagacgaag 180  
 caaaagacta gttagtgagt gaaaattcaa gttggaacca tccaaaag 228

<210> 34077  
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 <212> DNA  
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 <223> Clone ID: 700891778H1  
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gacatccatc agcgacctcg ctgccaattt ggccacttgc tctcgtctca tcaaagaagc 120  
 agcatcagct ggagccaaat tgctttgctt tccggaggcc ttttcttacg tgggtactaa 180  
 ggatggcgac agtggttcgtg ttgctgaacc attggatgga ccaattatga gc 232

<210> 34081  
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 <213> Glycine max  
 <223> Clone ID: 700891784H1  
 <400> 34081

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 ttgttggagc tgcggtggct gcaatctacc atcaatacat tcttagaggt tctgcaatca 180  
 aagctcttgg atccttcagg agcaacgctt aatt 214

<210> 34082  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891786H1  
 <400> 34082

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 ctaagaattt ggaatctctt cccttactgt gaatatgcca aaccttattt atttttgtgt 120  
 aaatactaaa tactaaatac tgtaacacat gacattagtt tttttttttt ttgtcacggt 180  
 ttagatttgg gaaattagct ctgtgcttgt ttttatcgcc ggctag 226

<210> 34083  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891787H1  
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ttcactgtag ttctgtgtt tgtgactgcg tatatctgcc actacaatgt tcacagcata 120  
 gacaatgaac ttgaggactc ctcacagatg caaggggttg tacaaaccgc cttgtttcta 180  
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<210> 34084  
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 <223> Clone ID: 700891788H1  
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 ctcccatttc agaaccatct ataatgtcaa agaccctctt gacaaaacaa atgctgaatc 180  
 tccagcacta ccaccaggac caacacaaaa accagcctca gcacca 226

<210> 34085  
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 acgtgtgtgc catgcacatc caacaatgag cgaggctgtg aaagaagccg caatggccac 180  
 ttatgacaag cccattcaca tctaaagaga cggttgctac tt 222

<210> 34086  
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 <223> Clone ID: 700891790H1  
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gcatatTTTT ggTTTTgatg aatccattga cattccttcg ttattgggga aggaatgtga 120  
 gctactgttt caatgattgc agggatattg agggtttcat agaatcctgt gttatgttta 180  
 tgatagggtg tggTTTTtta ctttacttgc tgctcttg 218

<210> 34087  
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<223> Clone ID: 700891791H1

<400> 34087

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 gggaggggtg gtttacagaa tgtgggtggg tctggggcca aaaggggttt ctctgatgcc 180  
 attgatggaa actggaatgg tggaggatct gaaaaagatg ccgctgc 227

<210> 34088  
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 <212> DNA  
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<223> Clone ID: 700891792H1

<400> 34088

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 agctgcgatg acagaaatTT tgataaccaa aggtggagca gatttcagaa agataatTTT 180  
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<210> 34089  
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<223> Clone ID: 700891793H1

<400> 34089

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 ctggaagaat tcatgccaat attaaagcat ccaaactctc aagaaagcgc tgaaaaaaca 180  
 tcaaacatat ctgacaaggc gaattggatg acatcagctc aactat 226

<210> 34090  
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 gaggagaaga agtcgacggt gggagacaag gctccggcgg agaagaagcc aaaggccgga 180  
 aagaagcttc cgaaggaggg aggcgcgggc ggagaaggga agaagaagaa gagaaacaag 240  
 aa 242

<210> 34091  
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 attgcaagaa ggaaatatgg tggttatggtg aagtctc 217

<210> 34092  
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 gtcaccatcc tacgacgtcg cttcagccca agatcccagg ttctgcaagc acgttcacga 180  
 caacgtccat ggcaatattt atctcgattc ccttagtttg aagttcattg ac 232

<210> 34093  
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<223> Clone ID: 700891760H1

<400> 34093

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 tacatccatg gcatcatctc aagcagacct cagaaagatt gctgtagaaa gcttcgattt 180  
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<210> 34094  
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<223> Clone ID: 700891801H1

<400> 34094

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 tctctccctc tctcatggct tccgatctcg aagcaaaagc caaagaggcc ttctgctgaag 180  
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<210> 34095  
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<223> Clone ID: 700891724H1

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 tatttgttta aaatgctgat ttttattggt ctttcatgtg gctgtgttat gacccctcta 180  
 gtttttggaa agtactctag ggaaatttcc atgtattttg agaggaatgt ta 232

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<223> Clone ID: 700891725H1

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 gtccttggtg aacaagcaga agcccatttg gatgagaaag cctgaggaga tcacaaagga 180  
 ggagtattct gctttctaca agagtctcac caatgactgg gaagagcatt tggct 235

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<223> Clone ID: 700891726H1

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 gccgttttga tcggaataaa ctaccggga acaaaggcgg agctgaaagg atgcataaac 180  
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 <212> DNA  
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<223> Clone ID: 700891728H1

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 tctcatcgtg ctctcaatta tactcctttg ttttccgaca accgcaaaaa ccgacaaccc 180  
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<223> Clone ID: 700891729H1

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 gtgatggagt tatgactggt gaatggtcta attcaagtga atgggtcttg gttactgggg 180  
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<210> 34100  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891731H1

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 tgccggcggt ggagcccaag cccaaggccc atccacctct cctgcgctc ccacaccca 180  
 agcatctoga cctcccgctc agtcttctcc gccacctgtt cctctttcac ctccaccc 238

<210> 34101  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891732H1

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 taaaaaggga ccaaagtttg ctggtatgaa gaagattgtc acttccaaag caatcaaaag 180  
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 aa 242

<210> 34102  
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 <212> DNA  
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<223> Clone ID: 700891733H1

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 ttgaggcctt acatggaatc tatggttcca ctccccgaa tctatgacct cgatttcatt 180  
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 caa 243

<210> 34103  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891734H1

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 atggggaatc tggtccttca accaggctcg caactaaaga ttcgattgat gggggtgttg 180  
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<210> 34104  
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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891735H1  
 <400> 34104  
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<210> 34105  
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 <223> Clone ID: 700891736H1  
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 ttcaacttgt gaagattttg agtgaaaaag gagaatttga gagttttaag taaaaggaaa 180  
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<210> 34106  
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 <213> Glycine max  
 <223> Clone ID: 700891737H1  
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 ttactactcc gaatcctcac aacactctct gccgtacaca ctactaacc 109

<210> 34107  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891738H1  
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caaaagtgat aagatgaggg ctgatttggc tacaaagggc attgcactta tggatgtggg 120  
 caacgaaata acatggagac catgcatccc gagtgaacca cttgttgcag aagttgttca 180  
 gagacctata gttgaggaaa agcagtctac tccagtgaat caaaaagtgg aaga 234

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<223> Clone ID: 700891742H1

<400> 34108

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 cccaagagag catgagagct tgaaggagct acgagagttg acggaaaaac acccttggaa 180  
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<223> Clone ID: 700891743H1

<400> 34109

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 atattgacta cccaatgagt aaatgggaga ttttttccat tgaagggtac tacttgagct 180  
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<223> Clone ID: 700891744H1

<400> 34110

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 cttttttgct taaatgcatg caatacaact cccttgcatt acagtgcaaa atacttcaaa 180  
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<223> Clone ID: 700891745H1

<400> 34111

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 tcacctactc tacctcaaac ttaaaatcaa tcttcttttt aatgtgtatt agttaattaa 180  
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<223> Clone ID: 700891746H1

<400> 34112

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 gtggggatta ggataaccct cctctatctt tcaactctaa ttttgatcat catcaccttc 180  
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<223> Clone ID: 700891748H1

<400> 34113

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 <223> Clone ID: 700891750H1  
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 <223> Clone ID: 700891753H1  
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 <213> Glycine max

<223> Clone ID: 700891754H1

<400> 34117

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 ggagtaataa tactatgtat gaaaatgtga aacgtttgaa cagttgttgc ggttggttatg 180  
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 <213> Glycine max

<223> Clone ID: 700891723H1

<400> 34118

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 ccctctcttc caactctttc ttaggccaac gcctttctcc catcaccctc ccctctcttc 180  
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 <212> DNA  
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<223> Clone ID: 700891756H1

<400> 34119

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 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180  
 cgatgatcac cctatgcaaa ttgaagaaac acagtaccg aaaaccttct 230

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 <213> Glycine max  
 <223> Clone ID: 700891757H1  
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 gaacaatggt ctaatgaaag gaacaagtta cattcattat caaaatgtaa cttgttttct 180  
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<210> 34121  
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 <213> Glycine max  
 <223> Clone ID: 700891758H1  
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 ccactgctta cactgtggac aacaaggggtg atcccatgtt ggatgagtcc actgggaatg 180  
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<210> 34122  
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aggagaaatt ccagttgcat ttgttgtaag gtcaaatggt tctgagatta ccgaggatga 120  
 aataaagaca tacatttcac aacaggtggt attttacaag agaataggta gagttttctt 180  
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<223> Clone ID: 700891683H1

<400> 34123

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 acagcgtgcg gaccggggccg tacgggcaga tcttccgccc cgacaacttc gtgttcgggc 180  
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<223> Clone ID: 700891684H1

<400> 34124

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 agctcaagag gttatgaagg gtctttggga aaagaaacaa gcaaagatga agagaaactt 180  
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<223> Clone ID: 700891686H1

<400> 34125

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 aaggaacaaa gattttctta ttgtttgacc ccaattgatg acacaaaaga aagtgttttg 180  
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 cattttcttc tctctggctt tgacagtgtt ttgataattg tcattgccat atacttcctg 180  
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<223> Clone ID: 700891696H1

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 ccgacttctt caagacctcg agaacaatga tgaatgtagg aaaaatggga gcctgaaaag 180  
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<400> 34131

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 atgggtgt 248

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<223> Clone ID: 700891703H1

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 atgccgcaaa gaaaaagagg ttcgaaacgc ggaagctgat ttttaacaga gccaaacagt 180  
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<223> Clone ID: 700891704H1

<400> 34133

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 tcatgtggat ggcttgccctt ttcatttgca ttgggtgcat ttgtcttgac atacgtggtg 180  
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<223> Clone ID: 700891705H1



<400> 34134

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 tgaagagctt gagttgttgg tcagaactct tatagatctg gatgcaatgg atggtaaaca 180  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700891706H1

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<223> Clone ID: 700891707H1

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 gatgagtctg ctaccactgt ggatttgatg cttaatcttt cttctaagga agctgctgct 180  
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<223> Clone ID: 700891710H1

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<223> Clone ID: 700891713H1

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<223> Clone ID: 700891714H1

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 ttgtggacca aaacgctgcg tttccatttc actcacaatc tcaagctaac ccagctctat 180  
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<223> Clone ID: 700891715H1

<400> 34143

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 gctacgacgc cgttcgtgct tttttgaggt gccacagtca tgtttgggcg tggtaggacca 180  
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<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891716H1

<400> 34144

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 gattcccaga aacacaacca ttcccaccaa gaaggagcag gtgttctcaa cctactctga 180  
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<210> 34145

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891718H1

<400> 34145

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 tttgagtcag ggtgggtcttg tagagaagat gacctttgct gtacgtggga aattggagag 180  
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<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891682H1

<400> 34146

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tagttagcag attcaggtat ccaagacagg ttccctgtgaa aacaccaaag gctgatgtta 180  
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<210> 34147

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891720H1

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ttatcctcac aaccggaatc aacagtgcct ttgttcttgg atatccaggg accgtcatgg 180  
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<210> 34148

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891721H1

<400> 34148

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aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa caacccagtt 180  
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<210> 34149

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<212> DNA

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<223> Clone ID: 700891722H1

<400> 34149

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 ttctgtaa at ctcaagcttt caatattttt tctccatttt tacttgtgaa tctggcataa 180  
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<210> 34150

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891643H1

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 gggaggggtca gcatgaggaa gaccgtcacc aagcaggcct cctccggaag cccatgggtac 180  
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<210> 34151

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891644H1

<400> 34151

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 tgggtctgggg aaattgattg tgatgatttc aaggccaagc ttcttagtca ccaggataag 180  
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<210> 34152

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891646H1

<400> 34152

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gctcttgctc ctgcaccaag caagagctgc aaagtccac aatgtgagtg gcttgagagg 120  
gaaaaagcca gttgtagcaa atgggtgcaa tttgttctg ggaagttggg tggttgacac 180  
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<210> 34153

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891647H1

<400> 34153

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gcacacacaa catccctcta aaacattgag ggataaaata aaaaacatga agaaatttgt 180  
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<210> 34154

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891648H1

<400> 34154

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gccaaagattt cgggtgtggtg ggacattgac aactgtcgtg ttcccaaagg ccacaacgcc 120  
aattccatcg ctcagaacat aacctccgcc ctgctcggca tcaactacgc cggccccctc 180  
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<210> 34155

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891649H1

<400> 34155

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acaaaaactg tgtcacagag gattgcctca tcggcaacaa tgatttgga tcagaattct 180  
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<210> 34156

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891650H1

<400> 34156

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tttgtggaag tttgaaacca ccaagtacta ctgcacggctc attgatgctc ctggacatcg 180  
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<210> 34157

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891651H1

<400> 34157

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tgagcaaatg agggagtgcc tccgttctct caagcagaac cacaaggagg atgacgctag 180  
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<210> 34158

<211> 226

<212> DNA

<213> Glycine max



<223> Clone ID: 700891653H1

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tctaattctt ccactacccc ttttcgttat tcttcttcaa ttctcccaa aatcatattt 120  
ttacactctg agtgggtttt cagcttgtgg gtcgatgtca actgtgtcaa aagatgacaa 180  
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<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891655H1

<400> 34159

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aatctctttt tccacatatt ggaccttgat tgaacagat ttgagtagac tcccccgctc 180  
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<210> 34160

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700891656H1

<400> 34160

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aatgtggaat cagctgctga atctacatct catttcttta ctactatgaa gcgtgaaaca 180  
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<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891657H1

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 ttccaaattc ttgcatccat agctccttaa tgatgtcaaa cctattttgt tgtctgttta 180  
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<210> 34162

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700891659H1

<400> 34162

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 aaagcaaagg aattgttggg ctgggagcca aaggtaagt tgcgtgatgg tcttcctcgt 180  
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<210> 34163

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891662H1

<400> 34163

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 acaaattatt ctcaatgtgg caggcttctg tataacggtg gcgacaacca tctttttcac 180  
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<210> 34164

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891663H1

<400> 34164

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acactttgta tggatcttcc ttgattgaat atgccacat tgaacagtgg attgattttt 180  
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<210> 34165

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891665H1

<400> 34165

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ttctcttcca ttatttgggt acagatcctg ctaatgataa tttcactttt gtggacgaaa 180  
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<210> 34166

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891666H1

<400> 34166

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gtgcggcaac ggctgcggat gctgccagat gtaccagac ttgagctaca ctgagtcaac 180  
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<210> 34167

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891667H1

<400> 34167

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tcccctcgggt ctctcccccaga agaagatcgg agaagacatc gccaaagaaa ccgccaagga 180  
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<210> 34168

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891668H1

<400> 34168

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cggtgtgctc cctcctatc gcctccgttc ctaccgacgt cgacgccgct gcatacctta 180  
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<210> 34169

<211> 222

<212> DNA

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<223> Clone ID: 700891669H1

<400> 34169

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tgagacagag cagattgtcc ttgatgaaga atcaggctct tgcaaggga agatgagttc 180  
agttgtgcaa atgcgtggat caataccact tttctggta ca 222

<210> 34170

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700891671H1

<400> 34170

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gcttcagatc aatgacctta agaagtcctc tggctcctca gagcgtacgg ttgccacgga 180  
acagactctg gtaatgtttc aggacaatta tccagaaatg 220

<210> 34171

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700891672H1

<400> 34171

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ggtgattgcc atgttggcga tggtagcaac tggggtttca gctgctgagg cacctgcccc 180  
aggtccttca tccgatgcca ccaccttctt tgtaccact 220

<210> 34172

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891642H1

<400> 34172

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ttatgtttct gaagcaaaaa atgcattaga aaatcgtgga gaaatcacia tggtatttct 180  
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<210> 34173

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700891674H1

<400> 34173

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tcttttggga tctacaactg gtgtgctaata gaaaaaagggt attcaaaatt tgacttcctt 180  
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<210> 34174

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700891675H1

<400> 34174

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cgaaggagaa gaaacctaag gctccgaagg aaaagaagcc aaaacaggcc aaaacagctt 180  
cacatcctcc atattttcag atgattaagg aggctttgat cg 222

<210> 34175

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891676H1

<400> 34175

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cgtcgccccg gtttaaggcc tacgcaaga ggttaaggcg aacgccttgc gcttggaana 180  
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<210> 34176

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891678H1

<400> 34176

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<210> 34177

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891679H1

<400> 34177

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 gctgcaaata atccttatca gcattctatg cagccagggt ctggacaggc tgcacatgcc 180  
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<210> 34178

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891595H1

<400> 34178

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 aggtgggtga ggtctgttgt cagagaggaa tggactgcag aagtgtttga tgaggagctt 180  
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<210> 34179

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700891602H1

<400> 34179

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gacgttgaac tgacgggtgga ggagcggaat ttgctttctg ttgggtacac agcatgcat 180  
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<210> 34180

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891604H1

<400> 34180

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caaagaactt ctaattcaaa ttccgtatta agaccagct ccttccgaaa ggctccttct 180  
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<210> 34181

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700891605H1

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gttatatggt gtcgtttagg tacacttcga tgccgtctgg gacgaccagc ttcgcacgtt 180  
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<212> DNA

<213> Glycine max



<223> Clone ID: 700891606H1

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acaaggacga ggataataag ccagtagaaa ccgatactgg ttacgacaac acatcatatt 180  
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<210> 34183

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891607H1

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gtagaaaact ttttaaattt tttgtcagt ggggtgttta attaaccacc tgttcttcaa 180  
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<210> 34184

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891608H1

<400> 34184

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<210> 34185

<211> 232

<212> DNA

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<223> Clone ID: 700891610H1

<400> 34185

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<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891611H1

<400> 34186

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<210> 34187

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891614H1

<400> 34187

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 accaggagat ggagctacgg gacaaggaaa gacttgtaaa gattcgaacc cttggaaata 180  
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<210> 34188

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891617H1

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gttgcatcac catttatttt gggaactcta tacatagttc ttttaccatg cttcaaaatt 180  
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<210> 34189

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891620H1

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gtgccacagg cgcggtgtgc atgctatggg aggaatggca gcacagattc caatcaaaga 180  
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<210> 34190

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891621H1

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ggggaaaaga gattgggttg atctatggtt cagttactga ggatatctta acgggggttca 180  
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<210> 34191

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891623H1

<400> 34191

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cccatctcca aaagtttctg acacagttgt ggagccatac aatgccactt tgtctgtaca 180  
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<210> 34192

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891624H1

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<210> 34193

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891625H1

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agaaaggcat ggagtggaag aatattacaa gaaaatgggt agggaaaatc ctggggatcc 180  
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<210> 34194

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891626H1

<400> 34194

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gccattggggg gtgctaaaga agggggatat tgagtttgtg cctgagcttc ctcagaggaa 120  
gaaggatgct attcataggt tggggtttgg gttgttgaac aaggttgcaa tattgtttcc 180  
ttataatttc tgggggtgggg acattgacac gtttggtcat ttgactg 227

<210> 34195

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891627H1

<400> 34195

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tggaagatga agcaagcaac tcttttcttc ttctactct tctactcct ttcctccacc 120  
accatggcca tttcaccagc acctgcagca gcaccaaag ccacagcaaa aactcctcct 180  
accccaaagg caacagcacc atcaccaaaa ccattagttc ccacaatacc t 231

<210> 34196

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891628H1

<400> 34196

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ccacgcgcgg cccactgag tcgaatttca tgcggtggtc cgagaccccc taagagcaag 120  
agaagcaacc tcaattcaga agcgcaagag cttgttcgct tactcacgag caagataaga 180  
agcaacgaca aagaggttct gctgaagacc ttgaacaagt atgtgaagca g 231

<210> 34197

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891629H1

<400> 34197

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catgccaaaa ctatcaagtg ctgaagatac ttgggaacct caccgtgata ccattcctat 120  
tcacacttca gtgcatccat ggctaccttt gctggggcac aagttggacg gcatatacca 180  
cgtgatacgt ttaaaattga gtactgtact tggcgcctga caccacgtg atg 233

<210> 34198

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700891630H1

<400> 34198

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tgcacttctt gtgctttctg cagttctgaa ttattcaagt aactggttca gtttaacata 120  
tgatttagta taaaagaaat tgacacacag tcatgaagtt tatgaaactt ggatctcggt 180  
cggacacctt ttacactgca gagtctggaa ggacaatctc ttctgaagtt tcaa 234

<210> 34199

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891631H1

<400> 34199

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ggcactggat cggatcaaat tctctacaac ttagcatgat ttcaatatag aagctttggt 120  
tcagcaactg aagcattgac tggttctgca ttatacaacc tgaagtggac tttcagatat 180  
ttaggccaac ccgatttttt cctgtccttt gtcacatttt tttatgtggt ttt 233

<210> 34200

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891632H1

<400> 34200

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ttaattctta tggagttgat gggggacccg cagcaaaagc actcagaccg aagtttgatg 120  
cctttgcaca tcaagtacat tctaaagttg gctttcaact tccagatatt gatatgaaat 180  
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<210> 34201

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891633H1

<400> 34201

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acaaatatcc aaatacttca acaaagtgtc cttttaaaat acaagtatgt tgtttccttc 120  
ctcaaggaaac atggcaagga aatatataat gaagttcatg cagcatacat tgatacgatg 180  
aacaaggttc ttagtgctca tttccgtgct tatatacaag catgggagaa actac 235

<210> 34202

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891634H1

<400> 34202

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caaaggaggg ttcaaactg cagcactcaa gtttgtggct gttacccta gaacaagaat 120  
catgttcctt agcacattct acaccatgag aagtgatgac ttttcttcac tctgtgggcc 180  
tgtgattgat gatgtcaagt tggtagcct gcgtaaacca tgatgaggga a 231

<210> 34203

<211> 224

<212> DNA

<213> Glycine max

. <223> Clone ID: 700891640H1

<400> 34203

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gagtatgatg gtgggaagga ggagaaactt gaaatggata ttgctcgtga aaggagtgg 120  
cgaggtaaat tcagaagaaa gcataggata ataaagcctg gtgcaaatcg cgtggatgga 180  
agatgcccat tgactccatt agaggtggga atgatgctta gagg 224

<210> 34204

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700891593H1

<400> 34204

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caccttttct cattccgatt tcacttgcatt tcatttcac 99

<210> 34205

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891641H1

<400> 34205

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tagcagtgga gcagattttg cgagttgttt ttctagatcc agagcgtcct tgcctgctt 120  
tggaaaaact gaaccgacag ctggctgatg ctgatgctgc ccttgaggca cgtaagatac 180  
ctgcggaaga tgcaggtcct aaaattatcg gggaagggt cgtcataga 229

<210> 34206

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700891539H1

<400> 34206



gccc aaatac acggtctcgg aacccttcc tccgaaccc tatttttagg tcagaggcta 60  
 aataccaagg ccgcctttat caagctcaag tccacaccta gaagactccg ccctctcaga 120  
 gtgggttaatg agaaagtcgt cggatcgcg ttgggaa 157

<210> 34207  
 <211> 219  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891541H1  
 <400> 34207

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 agtagcagat gacactggaa gcaacagtat tgtatcagaa ggtgactgca agaacacaaa 120  
 ttatcagatt tttctccctc caccttatca gaatatatcc tctaccatat gcaaacctgt 180  
 ttggcattca tacgaattga ggtaccaag acgggtgac 219

<210> 34208  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891542H1  
 <400> 34208

gcaaactaaa ggtgaagttt gccagaaaca agatgggaag gaaccatttt cagcagcaac 60  
 actgtgctga tgggagcatg gggatggaga gtcagggtca gcaacagagc tatgccttcc 120  
 aagaagagtc ttggagccct gataacaact atggccacaa ccacaagcaa ttcccaggca 180  
 tgcacatgaa catgaacaac aacaacaaca acaaaag 217

<210> 34209  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891543H1  
 <400> 34209

gggaaatggc tcccaaaccg cctagtacgg gtctgtttgt tggactgaac aaggacatg 60

tcgtcaccaa gaaggaattg cccccacgcc cctcggatcg taaggggaaa acaagcaaga 120  
 ggggtgcactt tgtgaggaac ctcataagag aggttgctgg ttttgcaccc tatgaaaagc 180  
 gtataactga gttgctgaag gttgggaagg ataagagggc 220

<210> 34210  
 <211> 90  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891545H1  
 <400> 34210

attgaaaggc aaagattgaa taaaattaac ttgatggttt ttctggggac agtgttactt 60  
 gtgaaatcct tacatgggaa ggagaaaatt 90

<210> 34211  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891546H1  
 <400> 34211

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 aagaagagtc tgtccgatct gaaaagcagc ggagaagact accctggctc cgactaccgt 120  
 cccaagaca gaaaaaactg gatgtcccat ctgcaccctc agaaactccg catcaaccaa 180  
 atcgtctggc ccggcaccca cgactccgca accaacaaaa ttg 223

<210> 34212  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891548H1  
 <400> 34212

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 gggttaaaaa aggcacatat tcgggatggg gcagcagttg tgcaatatct tgtctggctg 120  
 gataagaaga tgcaggatat ttatggagct tctgggttact ttttggagaa ggattctgtg 180





<223> Clone ID: 700891559H1

<400> 34219

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 tgagaagggt caggatcttc tctcctgga tgtcaccct ctgtctcttg gtttgagac 120  
 tgccggtggt gtgatgactg tctgatccc taggaacact acaattccaa caaagaagga 180  
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<210> 34220

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700891560H1

<400> 34220

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 ctcaactctca cttgaagcgg ctctcctcaa tttgttgcca gcatgcaa atccatctcctt 120  
 tttcctcttc cactcccttt ctgcttgct ccaaccaccc cattaatttt ccctcctttt 180  
 cctctctctc agatccctcc acactcgaat ccctt 216

<210> 34221

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700891562H1

<400> 34221

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 agtggagaaa agtgggaattg acccaaaatt cattccaaag atatggaagc atatcctcat 120  
 ctctgccaaa gatgaagatt gggattggga gaaacaagtt ccctccttgc cctcttcggc 180  
 ctactctctc ctctgttcca acttcaaaac ccctctctct tc 222

<210> 34222

<211> 238

<212> DNA

<213> Glycine max





<400> 34228

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ggagtactga taattctgat ggtgaactgg acatgttaaa gacatctgaa attcaaaaat 180  
ttgaagatga aggaagcaaa tatcctgcta tacct 215

<210> 34229

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700891578H1

<400> 34229

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acaatggcgg agacagagac gtttgctttc caggctgaga tcaaccagct cctcagtctc 120  
atcatcaaca ctttctactc caacaaggag attttcttcc gtgaactcat cagcaacgcc 180  
tccgatgctt tggacaagat tcgatttgag agtttgac 218

<210> 34230

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700891538H1

<400> 34230

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agctcgagtt ttacctgtta ctgatgccc gcttgaatat tgcaatgttg tgaccaacaa 120  
acttaaaatg tatggcatcc gagctgaagt ttgccat 157

<210> 34231

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891581H1

<400> 34231



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 ttacagcacc agttggagca cgatccagca ctacagtgtg tgcagttgct gagcctgata 120  
 ggcctctgtg gttcccaggc agcacccctc ctccatggct agatggcagt ttgccaggag 180  
 attttggtt tgatccctag gtcttggatc tgatcctgag a 221

<210> 34232  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891583H1  
 <400> 34232

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 tagtgtctct agcagttatt ccgtggattt ggttttacta agcagaacga gctctttgtg 120  
 ggtcgtgttg ctatgcttgg ttttgcagca tcactgttgg gtgaaggaat aactgg 176

<210> 34233  
 <211> 108  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891585H1  
 <400> 34233

aagtattcag agtccacaac tgaaggacca ataaaggcta tagttttttc ccagtggact 60  
 agcatgttgg acttagttga gacatcattg agacaattta gtatacag 108

<210> 34234  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891586H1  
 <400> 34234

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 aggcacaaga tagaagagga gggtgcagca gcagctgcag tcgggatctg gtgggtttgc 120  
 cttccatgaa catcatgaga aaaaggaagc aaaggagcaa gatgaggaag ctcatggaaa 180

gaagcaccac catctctttg gctgaagcat aagcaaccaa tt 222

<210> 34235  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891587H1  
 <400> 34235

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 ctgcgagtcg caggtttcaa ttcacatga ccgtgatgat gcccgctccc attga 115

<210> 34236  
 <211> 70  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891588H1  
 <400> 34236

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 ttacgcatca 70

<210> 34237  
 <211> 216  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891589H1  
 <400> 34237

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 tggcagcaag agacccttca gggattctct ccccatcac ctacaatcta agaaacacag 120  
 gccctgatga tggttacata aaagttcact actgtggaat ttgccattct gatctccacc 180  
 agattaaaaa tgatcttggc atgtccaact atccca 216

<210> 34238  
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 <212> DNA  
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<223> Clone ID: 700891592H1

<400> 34238

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gcaggaggag actgcaaaac tttaatgttt gtgcaagtaa gtccaagttc ggcagacttg 120  
ggagagacac tttgctcggt gaattttgcc acccgtgtcc gtgggatcga gagtggccca 180  
gctcgcaagc aagtagacca cactgagctg 210

<210> 34239

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891493H1

<400> 34239

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ctgaaaataa ggtacatagg attgtcggaa gctagccctg acacaattag gagggcacat 180  
gctgttcac cccattactgc tgtgcaacta ggagtgggtcc ctttggactc gtgaaattg 239

<210> 34240

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891494H1

<400> 34240

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tcttgttctt gatactgtgc taaatttggt ggatggcgga gaaatcatgc atcaagcgcc 120  
ttcagaagga atatagagcc ctttgtaaag agccagtttc tcatgttggt gctcgtcctt 180  
caccgagtga tattcttgag tggcattatg tggtggaggg aagtgaagga acacct 236

<210> 34241

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891495H1

<400> 34241

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 atataaaagt tgagaactca acacaacaat taccagaacc aaaattgagc ggggcaggaa 180  
 aggttcagga ctgtaaccag ttcttactta ctatagggga gcacaaggaa tcattctag 239

<210> 34242

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891496H1

<400> 34242

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 ggaagtgaaa gatgactaaa caatgctgga cagatttgta aagaatcacc accgccgcca 120  
 ctatgaccac catcaccatc accatcaatc accaatacta tactatttac taccatacaa 180  
 aatgcatacg gtaaaagcag ttgtgtcaag gaagtggggg aggcattctc ccttcttttg 240  
 tt 242

<210> 34243

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891501H1

<400> 34243

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 acaccaacaa cagttccaga aaatgaaaca accgaggtaa tcaagacca ggaacaac 180  
 ccggaaccag taccagccac tgaggctcct gcaacagaac aagcagcagc tgaggttcct 240  
 gctcaagaag 250

<210> 34244  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891502H1

<400> 34244

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 ccggtgggca cctcgggagg tttgtaattt ggaccaagag cgctttcgag aagttggagc 120  
 caatttacgg gtcttttgat aagccctcgg agaagaagaa gggatac 167

<210> 34245  
 <211> 166  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891503H1

<400> 34245

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 acaatgattt tctctccagc attgatcctt atgtgattct cacata 166

<210> 34246  
 <211> 165  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891505H1

<400> 34246

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 tcctcactac taaatccgga ggcatcacca ttcttgcccc agatg 165

<210> 34247  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891506H1

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 gtcaaagttc catgaccgtc catgcctcat cgacggcgac accggcgaga ccctcaccta 180  
 cgccgacgtc gacctcgctg ctgcgccat cgctccggc ctccacaaaa t 231

<210> 34248  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891507H1

<400> 34248  
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 tcctggagtt cgagttccgc ccagacggca agctccgcta cgccaacaac tccaactaca 180  
 aaaacgacac catcatccgc aaggagggtt acctaacccc cgccgttctc c 231

<210> 34249  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891508H1

<400> 34249  
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 gagcagatca gaggtgtacc acggggacga aatgtgccaa gtgaagtcca aggagcttct 120  
 caaggaaatc gccctcccca acggccttct tcccccta 158

<210> 34250  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891509H1

<400> 34250

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 tgctggtctc accggccgca agatcattat cgat 154

<210> 34251  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891510H1  
 <400> 34251

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 aacacagttg actccgtgtc ttccggcaat taattcaggt tctgcacctt cgagtgcctg 120  
 ttgccagaag ctgaaggagc aaaagccatg cttctgtggc tacctcaaaa accctagctt 180  
 gaagcagtat gttaactctc ctaatgccaa aaaaaccgtt c 221

<210> 34252  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891511H1  
 <400> 34252

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 agattgacga acgcagcadc gaggatctta ggcggaaaacg gcgtcgttta ccgatccgta 120  
 gcttctctc ttgcctccg ctccggcatg ggcctccccg tcggcaaaca ctatgttccc 180  
 gacaaacccc ttcccatgaa tgaggaactc ctgtgggaca acgg 224

<210> 34253  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891512H1  
 <400> 34253

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gccattcctg gatcggactc gaaggagttg agttacgagt gtttcaacaa gagtgatgag 120  
 gtgggagggg gttctgtgtt ccctgtggat ttcaaagatg ggtcttctga tagcgactca 180  
 agtgcgatct tgaacgagga gaacaacaac cacagcccca ac 222

<210> 34254  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891513H1  
 <400> 34254

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 atctccggct tcaaagccaa caacgccgcc tcgctccccg gcaaatgcgg agtctccatc 120  
 ccctacaaga tcagcacctc caccaactgc gctaccatca aggtttgaag agaaagtcât 180  
 ggacgcagga aaccggaaac tactcactag tatatgagta g 221

<210> 34255  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891515H1  
 <400> 34255

catgtgcagg caatcaacta caataatttc actatccgag tggttgatcc aggagtcgat 60  
 caacaaacaa attgctcctc ccttcctcgc tatttcttgt ctcgctccaa ttctactgat 120  
 acttacagtg atattttacaa catggatcca taccaagctg gtcaatattc aggtcatcgg 180  
 aatttattta tttgttatcg gtaaagatta gttgttagtt t 221

<210> 34256  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891516H1  
 <400> 34256

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tgatatatatt aatagccaaa gatcagcatg gctgtagatt cctgcaaaga atatttgacg 120  
 agggtagacc ggaggatggt caagtgatat ttaatgagat aattgatcat gttgcggaac 180  
 ttatgatgaa tccttttggc aattaccta tgcagaagtt gttggatgtc t 231

<210> 34257  
 <211> 120  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891517H1  
 <400> 34257

cacctttatt gggaactcga catcaattca agagatgttt aggaggggtca gtgagcagtt 60  
 cactgctatg taccggcgca aagccttctt gcattggtac actggggagg gtatggacga 120

<210> 34258  
 <211> 197  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891519H1  
 <400> 34258

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 gggtaaagcc aatgattaga ggcatcgggg gcgcaacgcc ctcgacctat tctcaaactt 120  
 taaataggta ggacgggtgcg gctgctctgt tgagccgcgc catggaatcg agagctccaa 180  
 gtgggccatt tttggta 197

<210> 34259  
 <211> 129  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891521H1  
 <400> 34259

tctaaatggt ctctcaactt ctggttcaat gataacacaa atcccttgct ttgttcaatt 60  
 aaagtcattg aaattgaaaa tgaaatcttc ttcaaacata tctgatgagg gagttagcag 120  
 gatagtaga 129

<210> 34260  
 <211> 159  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891523H1

<400> 34260

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 ggaggcttac gcgactccca aggctctcag aacagcgtcc aaaccgaggg cctcgctcgg 120  
 ttcgccgtcg atgaacacaa caagaagcag aattcactt 159

<210> 34261  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891525H1

<400> 34261

atttgaagg caaggagggc attgagagcg ctaaaagcat tggatgaagt gcaagcattg 60  
 gttaggggcc acattgtgag aaagcaaagt gctgatatgc tgaggcgcat gcaaacattg 120  
 gtgcgacttc aggcccaggc acgtgcaagc cgtgcgact tgcggatcc ttctttcaac 180  
 ttcaactctt ccctttctca ctatcctgtc cctgaagaat at 222

<210> 34262  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891528H1

<400> 34262

gttttgctcc atggtcttga ccaaggacag aaagatttga cgtggaacaa gtggatcatat 60  
 aagggtggcc taagaggaga ggctatgaat ttggtatctc ccaatggagt ctcgtctgtt 120  
 gactgggtcc aagagtcaca agctactcaa agccgggtcac aattaaaatg gtacaaggca 180  
 tattttgatg caccgggggg aaaggaacca ctggctttt 219

<210> 34263  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891529H1

<400> 34263

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 gctctcgtga gatgctaata gtcaatgatg caaccaagag tctggtggct gctgttagta 120  
 atcgcttgag tgcactctgc tttcacatga gagagtatta ttgggttgat atgaagaaga 180  
 ttaatgaaat ttaccggtac aagacagaag agtattctac tg 222

<210> 34264  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891530H1

<400> 34264

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 atgcgcctct tctccaccac caccacagcc accgcgttcg ccgtcacttt acccaaacc 120  
 tcatcactct ccctctcatc gcgtcgattc ctct 154

<210> 34265  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891531H1

<400> 34265

gtgagagtgg aagaggaaga aacatcttca gaccttcgaa actcggctgc agacagcaga 60  
 gccgaagtgc ctataaatgt aaccacacaa caaatgcaa gagagacagt gaatcaagg 120  
 gtgttactga atacaaatag aaacactcga gtacagaata atcctacaac gtggctgaga 180  
 aatgcagctg aagattccac agcagaatct tcaagtagta ctaggagag 229

<210> 34266  
 <211> 277



**THE**

<400> 34269

<210> 34270

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891455H1

<400> 34270

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ccaagcttc	ttcctcctcc	gtccctcct	ccgccgacga	ccaatccgag	ttcatctacc	120
tgcctggct	ccgttccaag	tttgacgagt	tctcaagtc	cctcctcgac	gcctctgcct	180
cgccgcaggg	agatgagacg	ctcaaggaac	tcggtctgga	cacgctcatg	gagtttgtca	240
aggtcgcca	t					251

<210> 34271

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891456H1

<400> 34271

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tggctaccac	taaagtttac	attgtttact	attctacgta	cggacatggt	gagaagttag	120
ctgaagagat	taaaaaggga	gctggttccg	ttgaagggtg	ggaagcaaag	ctatggcagg	180
tacctgaaac	actttctgaa	gaggtccttg	ggaagatggg	tgcacctcca	aagagtgatg	240
taccgattat	t					251

[illegible]

<400> 34272

<210>	34273
<211>	243
<212>	DNA
<213>	Glycine max

<400> 34273

<210>	34274
<211>	242
<212>	DNA
<213>	Glycine max

<400> 34274

13910

gaaagatctt ttctggtata ccagggataa aaagtcccaa aatgcagaaa tggaggctgc 240

aa 242

<210> 34275

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 700891463H1

<400> 34275

cagagaataa aatataactt cgcgtagaga cgcgctttaa gggcgcgctc atagtcaaaa 60

taagcttgca gttctgtaat atatatgttt tatgggtact tcgtcggtgt aaatcaaacc 120

tttgtcttat aataataaat atcaaattgt tttggcttc 159

<210> 34276

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700891464H1

<400> 34276

tgaagagatg agagtcaaaa ggagggatgc agaactgtgg atgtcccacc gtatgctacc 60

agatttgctg aaggaaagaa ttagaaggta tgagcaatac aaatggcaag aaaatagggg 120

tgctgaagag gagacattga ttcgcaacct ccctaaaaga tactacagaa ggggata 177

<210> 34277

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891465H1

<400> 34277

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agatcagtta gaagccccta ttcacgcagg aaatggagag tacttaatag agttagccat 120

tggtacacca ccagtgtctt accctgcggt tttggacact ggcagtgacc ttatatggac 180

acagtgcaag ccttgcacac ggtgttacaa acgaacaaca cccatttttg atcccaagaa 240

gtcctcttct

250

<210> 34278  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891466H1

<400> 34278

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ctctccgccg ggctagcggc tccgccggag agcaccgcag cgccttcgc cgcgctcagc 120  
agaaagcgtt tccgaacgaa gttcagtcag gacgagaagg agaagatgca caagttcgcg 180  
gagaaagtgg ggtggaagat tcagacgcgg gacgaggatt tgattcacga gttctgcaac 240  
gaggttgggg tc 252

<210> 34279  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891467H1

<400> 34279

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tgacgtcttg aagaaaaaac atgcttctgg aacgtataaa aacctagtat tttatctgga 120  
ggcatgtgaa tctgggagta tctttgaagg tcttcttccc gaagatatca atatttatgc 180  
aaccacagct tccaatgcag aagaaagtag ttggggaaca tattgccctg gggagtatcc 240  
tagtc 245

<210> 34280  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891468H1

<400> 34280

agtggtttca gtgagtgatc ggtgttctact tgatccttca taagtcgtca tcatcatcat 60



catcatcacc gttgatttaa gaagatgccg atcagaaaca tcgccatcgg taggcctgaa 120  
 gaggctactc accccgacac gtttaaggcg gggttggctg agttcatctc caccttgatc 180  
 ttcgtgttcg ccggttcagg ttccggcatc gcctacaaca agctcaccga caacggcgcc 240  
 gccactc 247

<210> 34281  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891469H1

<400> 34281

gatatctaaa actgaatgcc gtgttcatca tagattagat gcaactgtgg atgccatttt 60  
 ggcaggaaaa cctccattat ttgaaatccg tcaatgggat gattctgaca acgagttgcc 120  
 aaaatatgct ccattgcccg aagaaaatct tggagaaact tctgacttaa ctaacaataa 180  
 tatcacgagt tctgacaatg aacctagtga ggatgataaa gatcacccac gtacttggtc 240  
 cacg 244

<210> 34282  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891472H1

<400> 34282

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 cagagccaga caagtacaag atgatcaact ttgaagaaac cgagttgcga ctcggcctgc 120  
 cactcagtgg aaacgagacg acgctcaaaa acacttgcag tactgggaag aggggtttttt 180  
 cggatactcg cgtggatttg aagcttaacc tttcctcaac ctcaaataac gccctcctc 240  
 ctgcaaagc 249

<210> 34283  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891474H1

<400> 34283

caaccctatt gaattgaatt gggggaagaa gaacattaga agaagaagaa gaaaaatcgg 60  
 cacaattggt gtaattgaac gatgtctgct gcggtgtgcy gaagcaagag atctttgttc 120  
 gaagagcttc ccccttctcc gccagtatcc aagaggctcc gctgttcctc ctcccctatt 180  
 cgcctctctc tcccttcctc catcgaccac ctctgctctc tcttcctca tatggatga 239

<210> 34284

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891475H1

<400> 34284

ctcaaagggg agtttcactc cacacaacgc tcccatctct gaacgcatcc ccatccacag 60  
 ccacgcctac accatatgcc ccgccaccgc ctccgtccgc ttcctctccc ggcggcggttt 120  
 cgaaggcggc ggagttcgtg atctcgaagg tggacgatct gatgaactgg gcccgccgcy 180  
 gctccatctg gcccatgacc ttgggcctcg cctgctgcgc cgtcgaaatg atgcacaccg 240  
 g 241

<210> 34285

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891476H1

<400> 34285

ggttgcccat gtacaatata ttcaacaaac ataattctag tgatccaaga tatacttctg 60  
 agttgaacta cctgcgtttc tacctgccag atatcttccc tactctaaat aagattctgc 120  
 tctttgatca cgatgtggtg gtgcaacaag atctcagtgg actatggaat gccaatatga 180  
 aaggaaaagt aattgcagca gtgggcacct gtcaggaagg tggaacctca tttcatagg 239

<210> 34286

<211> 237

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891477H1  
 <400> 34286

cttcattttc cccggctcta ttgttttaag ggatgttaaa ggtatctcaa cgagaagaga 60  
 caaaattatt gcactgataa tgattatact agctgtgggtt acaagtgtgc ttgccatttc 120  
 catcaacata tataatgctt ttagtagcaa gtcataaata caagctgggtt ctctcatttc 180  
 tcccccttcta ttgttttttt tatatgtata gaaaatttta tttggggaga gagggta 237

<210> 34287  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891478H1  
 <400> 34287

tctctttctc tgtctgtcgt cttcttcctt ctcacccttt caactttcaa gtaacaccac 60  
 actcttcttt tcttactctt actcttatgc ttttcacctt cttcacttca ctaccctcta 120  
 cccttttctg agacacaaac actctcttcc tgttccacgc ttccaatggc ttcatgtagt 180  
 atagggaccc caaatattaa agcattgaac ttgcactttg gtggaaaaaa agttggcctt 240  
 tc 242

<210> 34288  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891479H1  
 <400> 34288

tctgcttcaa cttgtctcct cagaagcgaa gaagaagcca cagagaacta gtctcctact 60  
 ctcacccgca agaaagaaat ggcatctcac atcgttggat acccccgtat ggggtcccaag 120  
 agagagctca agttcgtctt cgagtctttc tgggatggca agagcagcgc cgaggatttg 180  
 cagaaggtgt cttctgatct cagggcatcc atctggaagc agatggctga tgctgggatc 240  
 a 241

<210> 34289  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891480H1

<400> 34289

gcctgataac ccataaccga ccgcaccacc gttttccttt gctttgcgtt ctacaatgtc 60  
 gaaaacctca gagattatta catgcaaagc tgctatttgc tggggaatag gaaaacctgt 120  
 gactgtggaa gagatacaag tagaccctcc caaagccacc gaagttagag ttaagatgct 180  
 ttgtgccagt atatgctcca cagacatctc tagcacaaaa ggattccac atgttagaat 240

<210> 34290  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891482H1

<400> 34290

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 gctttgggcc ctctgcttcc accaagaatc aattcaagca tggaaatgct tgtagtggt 120  
 ctcaaagggg gcaaagagac gtacgaggac ttctttatgg gaatggctca cttcaaagac 180  
 atagcattgg cacatatttt ggcacttgag aacaagaaag cagcaggaag gcacttggtg 240  
 gtgga 245

<210> 34291  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891484H1

<400> 34291

acagctagct ataaacatcc ttagtcctat taactatcaa gatatgagtc aacatagtgt 60  
 gatcaaaatt tcggccgact cttcatatgt tgccaagtgc ctattgtatc ctgcatgatt 120  
 acaatctctt gggagctctt catagcacat tggaagacct gacgatcagc cagcatggt 180

gtcgacgttg tcctccacag tgtgggcgga attggacaac tacaaaggct ttccgagacc 240

attggc 246

<210> 34292

<211> 142

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891487H1

<400> 34292

cagaaaaata aaaaaagagt agctagcact agctagctaa acacagtacg agtagtgatc 60

ataggcaagc aaaagcatat tacgtaatga tggcaaccat nggaagacat tgaacaacat 120

gacgtggtcg aaagttacaa ct 142

<210> 34293

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891489H1

<400> 34293

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aacggctgcg gaggctgcaa gatgtacca gacttgagct aactgagtc aaccaccacc 120

gagaccttgg tcatgggagt ggcacctgtt aaggctcaat ttgaggggtgc tgaaatgggt 180

gtgcccgtg agaacgatgg ctgcaaagt ggaccaaact gctcctgcaa ccctgc 237

<210> 34294

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700891490H1

<400> 34294

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aaagataccc ttaattcgca ggcgcgtctt gtgttggaaca acaaccacaa gatgattaac 120

ttcgaagaaa ccgagttgcg actcggcctc cctggcaacg actcagcact ccaaggaagt 180  
g 181

<210> 34295  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891491H1

<400> 34295

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atgcttcttg ctgccattac aacaattttc ttggcagctg aaaagcagtg gatgatgctt 120  
gattggtagc caaggcgacc tgacatgctt attgaccctt ttgggatagg aaaaattgta 180  
caggatggtc tcgtgttccg tgaaaacttt tctattagat catactgaga tgggtgctg 238

<210> 34296  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891453H1

<400> 34296

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atcattttcc tatacagata tctccgttga aacttaaaca caaatttccc gaaagtaata 120  
cacaagatat gaagtttttc ctaatagggg gatcgaagga aactagtaga acgaagaaag 180  
ccttcaaaaa tcaaatagaa tttccaccac ataaaacctg aaacttgatt cattatagag 240  
aga 243

<210> 34297  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891416H1

<400> 34297

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tcttcccaca ttagcacaac caggtgcttt tgctccacct ccacccaaag acaaagtcac 120  
 tatcttgggc gatggaaatc ctaaagcaat tttcaacaag gaagaggaca ttggaaccta 180  
 caccatcagg gctgtggatg accctaggac attgaacaag attctctacc tcaggccccc 240  
 taagaacatt ta 252

<210> 34298  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891417H1

<400> 34298

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 tggggagacc aaggaaactc caactcctcc tggtcgagtc tatgctgatg ggatttatga 120  
 tctctttcac ttcggccatg cccgttctct cgagcaagcc aaaaaactgt ttccgaacac 180  
 ttatcttctt gttggatgct gcaatgatga gatcaccat aagtataagg gccaaactgt 240  
 catgact 247

<210> 34299  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891418H1

<400> 34299

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 tctattttta tatgcgaatc aatcctacta cttctggtcc tgaggtttct gcgcttgaga 120  
 aaaaaaatct gggacgtatc gtccaaataa ttgggtccggt actagatgta tcttatcccc 180  
 caggtaggat gcctattatt aacaacgcgc tgatagtaaa gggtcgagat actgttggtc 240  
 a 241

<210> 34300  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891419H1

<400> 34300

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tgagggttctt gatcttcgaa atcctcgggg tatagcaaaa gttattggga ccattatctc 120  
cttagctggt gttttgatca tgacactgta caaaggaccc gttatgagaa atttatggca 180  
tccactaatc catattccag ggaaaagtgc tgctataaat gaagactggt taaagggttc 240  
a 241

<210> 34301

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891420H1

<400> 34301

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tcatggtggt agcatgggta tcgagagtgt ggtggataag aatgaaaaaa aatcatctgg 120  
tggcattcgg gatgctgggt gttctgcatg tgagatggct gttatttggga tgcagaacca 180  
gctgaggcag aatcagacag aagataggat aatagactat gccaatgagc tttgtgaaaa 240  
at 242

<210> 34302

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891421H1

<400> 34302

atctcatttc ttgctattca tttcttcatt ccaccatcac catggtccag gagaagaaga 60  
acgtggtggt caagaacaag aagccaaaca acaatgccga cgagcttcac ttccgcggcg 120  
tccggaagcg accatggggc cgctacgccg ccgagatccg tgaccccggc aagaagaccc 180  
gcgtctggct cggcaccttc gacaccgccg aggacgccgc ccgcgcctat gacgccg 237

<210> 34303



<211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891425H1  
  
 <400> 34303  
  
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 ccttgtatgt atgatgatgt gaaggagtat ttgaattggt atggaaccag aagggatgca 120  
 aatgagaagc tgaagagtcc gagtgcgcct gtcattgggt tggttttgca gaggagtcac 180  
 attgtgactg gtgatgatgg acactatgtg gctgtgatta tggagctgga ggctagaggg 240  
 gctaaggtc 249

<210> 34304  
 <211> 249  
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 ctatccatt gcaaagactc tagcagagaa agcgggttgg gaatttgcaa aggagacagg 180  
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<210> 34305  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891428H1  
  
 <400> 34305  
  
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 gttgaagtgg gtatgtatca gatccctacg atcactttcg acccatttgc ggaggcaaaa 120  
 gaaacagatg ctcccggggc aaaagagtat gtgcatatgc gcatacaaca gaggaatggg 180

aagaagagtc tgaccacagt gcaagggctg aagaaagagt tcagctacga gaagatcctc 240

gaaga 245

<210> 34306

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891429H1

<400> 34306

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gttgagcaag ggcgggaagc gccttgtgcc agtgggtcta ggtgatgatg atcaatgcat 120

tgaggacgcc cgtactgcat ggaaagaaga actgtggcca gcattggatg aattgcttag 180

agatgaggac gatgcaactg tgtctacacc ttatactctc agttttagga gtaccggggtt 240

gttattc 247

<210> 34307

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891432H1

<400> 34307

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ctccttatta tatatagaag gatggtgatg gatgggttgt actcacatga tatctgtgat 120

agggtcattc tgctgaaacg ttagggccac tgctggcgtg caaatttcac tgagacatag 180

gttgaccagc tggcattctg atattcaagg gaacactggt gaagaatgag ttatgtaga 239

<210> 34308

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700891433H1

<400> 34308

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tccgcgagct gcagcaaaca cagaagatag cttggagata gatcaagcgc cagtactctt 120  
 ccgcttccgg tagaaacctg ttgcagggac cgctttctcaa gagatctgaa accctgagaa 180  
 aatggaacga gcgttggggg atcttggacc cgacaacggg gagaatcgaa tacaagataa 240  
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 <223> Clone ID: 700891434H1  
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 agataatgtt caacggagcc gcttgggtggg ttcagattca gaagcagagg gagagggtgt 180  
 ttgtgattgc aagtgttggg gaattcaaaa gagagagtaa gaagagtgtg catgaacatc 240  
 atgagtagta gtagaa 256

<210> 34310  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891435H1  
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 tacattctcc ccatattttg gtgaagattg attattagat ttatagaatt gcttttgaac 180  
 tttgaggcta ctcatgtttt taatgtatga gctttcagat gtgtgaaaac ataaagcagt 240  
 tgggcactat gaaa 254

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<223> Clone ID: 700891436H1

<400> 34311

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 agatctgcaa catgcataag tttttggtca aagacacatg acacatccct ggatctgttg 180  
 gtgagaactg ccactgcaaa aaaaaatggt atttgtgggt ggtgtttgta gataacaacat 240  
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<210> 34312

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700891437H1

<400> 34312

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 gcatcatcca catggtgcat gacagagctg acaaagatcg ttgattgggt tcaagaaaca 180  
 ggtccaagtg tgctccctgt tttctatgat gtcactcctt cggagggttcg aaaacagagt 240  
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<210> 34313

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891439H1

<400> 34313

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 atgtctaatt ctgtgacgac agcaattcgc agcagtgttc gagacttggc cattgggaag 180  
 actaaaacta ctgagaaagc agaccgggct actgttgagc aggcaattga tcctagaacg 240  
 cgcatggtct tatt 254

<210> 34314  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891442H1

<400> 34314

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 cactgtcata gtaatcccggt gtcatagaac tgtgtatcag atgcagtata tcagaagagc 180  
 ttatgaggta atttaccatg aggatcttgt gaagcgtcta tattctgaga tcaaaggaga 240  
 ctttg 245

<210> 34315  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891443H1

<400> 34315

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 attatagtta ttgtctgtta tctacccgat ttcagaggat gaccatataa ctggtaactc 180  
 catgtcaaaa ctcagatatt cttgttttagt tgggatgata ttcatatatta gtatgacggc 240  
 aat 243

<210> 34316  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891444H1

<400> 34316

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 aagacgcaag gaccagagat aacagtttgt tgggcaaatt tgagctatct ggcattcctc 120

ctgcacccag ggggtgttcct cagattacag tgtgctttga cattgatgcc aatggatatct 180  
 tgaatgtctc tgccgaagat aaaaccactt gccagacaaa taagatcact atcaccaatg 240  
 acaaggggt 248

<210> 34317  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891445H1  
 <400> 34317

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 ctatgtgcat tctaaccgtc aatTTTTccg tgaatgcaac atttacggca ctgtagactt 180  
 catatttggc aatgctgccg tggTTTTcca aaagtgcaac atttatgctc gtaagcctat 240  
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<210> 34318  
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 <213> Glycine max  
 <223> Clone ID: 700891447H1  
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 ggaggaggcg gcgaaccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180  
 gatcggggag tgccggcgtg cgTTgaagtt tgctaggttc gtgagcaggt tcgggaagag 240  
 tt 242

<210> 34319  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891450H1

<400> 34319

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 tgatgaggaa gacaatcttt atcagggtat caacaagtat cgagcatcgt taaacttgaa 180  
 agctctaaca aggaatgaca atgcagattg ctttgctgaa aaaatagctg accaattcaa 240  
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<210> 34320

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891451H1

<400> 34320

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 cgtttgccga ggcgagagaa tcggatgcc cggagcaaa ggagtatgtg catattcgaa 180  
 ttcagcagag gaatgggaag aagagtctga ccacagtgca agggctgaag aaggagttca 240  
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<210> 34321

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891452H1

<400> 34321

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 gatggagact ttgccgagct ctacatgttc aaatggacca acctactcaa ctgccgcaca 180  
 aaccttctca taataaacat gattggggta gttgccggca actcctatgc catcaatagt 240  
 ggctaccaat 250

<210> 34322

<211> 250  
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 <213> Glycine max  
  
 <223> Clone ID: 700891415H1  
  
 <400> 34322  
  
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 ctccaagagt gaccaacgag gctgttcaga aggctgctgc tgcattgaag ggttcagatc 120  
 atcgccgtgc aacaaatgtc agtgccagac tggattctca acaaaagaag ctcaaccttc 180  
 caatcctgcc aaccaccact attggatcct tccctcagac tgtagaactg aggagggtac 240  
 gccgtgaatt 250

<210> 34323  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891363H1  
  
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 tttattattg tgtatttata tcttccattt acaaaaaaaaa aaagtttgtg taggtttcct 180  
 tctttgaagt aaaaagaaat taaatatgta ctgaaaatgg aataatagtg tgtttt 236

<210> 34324  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891365H1  
  
 <400> 34324  
  
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 agcggttgaa aactggaaa aatgttctac aaagcaatgt tgaggatagg tttccagcag 120  
 tattaaagtt tgaagaagaa agcaaggtgt agcgggactt tcacgttatt gatgtcgaag 180  
 ttccagggca atatttcact gaccacgaaa ttgcaccaga tcataccgtg aagttggata 240



<210> 34325  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891366H1

<400> 34325

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gatgcgacga cgggctgccg agtatcggcg cccggcacga cggagggtttt catattggat 180  
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<210> 34326  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891369H1

<400> 34326

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cctggaacat ggcattccagc ccgatggcat gatgccaagt gactcctcct tcggtgtagc 180  
ccacgacgcc ttcaacacct tcttcagcga aaccggatcc ggcaagcacg tcctctcg 237

<210> 34327  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891374H1

<400> 34327

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tcattcattt caatggcaac tcaaggtcaa gtcattacct gcaaagctgc ggtggcctgg 120  
gaaccaaca agcccttaac tgtccaagac gttcaggtgg ctccgcctca ggccggcgag 180

gtccgtgtcc aaatcctctt caccgtctc tgccacaccg atgcttac

228

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891382H1

<400> 34328

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tttgcagaat tatgtctaata gcaaatgata aatcgagaga gagaggccat aaggtgaatt 120

ttccattaca gtggtcaaat gcaaatgcaa ttatgtaact tttttaaaaa agaccctgcg 180

tattaaatca ctgaacagga ttttaatttag atgtttcgca acatagaact ggtgt 235

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<223> Clone ID: 700891384H1

<400> 34329

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tggttctgct gacttcaaga ctgagttgag tcagtcagat atgtttgacc ctcgattgca 180

agcaaaaata ttgaatgtgg tagatgtttc ttatggtggg gaaaatggat tca 233

<210> 34330  
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<223> Clone ID: 700891385H1

<400> 34330

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gcctgcaagt gcggcaacgg ctgcggaggg taagatTTTT gttgtgtcac tgttgcttca 120

cacttcgaaa aattgagttt ttccgggaaa attttcttct tgggtttttt atgggctttt 180

ttgggtaccc ttttggttga attgcatgaa aaaattatgc tttgtttatt ctt 233

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<223> Clone ID: 700891386H1

<400> 34331

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 aagaccggtg gcgccggcaa aggtcgact aacatgcgcc gcaccgtcaa gagtgctcct 180  
 cagagcattt ggtatggccc tgaccgtccc aagtacttgg gtccattctc ggg 233

<210> 34332  
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<223> Clone ID: 700891387H1

<400> 34332

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 ggcaattgga cttcaagact gtggcctcgc taccgggcag aaaaagggg atcaagcaaa 180  
 aatttgcagg agcaaaagcc ttcagttgag tacttacgat acagacaag 229

<210> 34333  
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 <213> Glycine max

<223> Clone ID: 700891389H1

<400> 34333

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 gtcattttac taaaaccac aagaggttta tgttgcaatg aaaaattga ctgagctgac 180

agaggatgga gataatggag tggaggcaag tgaggagaaa ggatttgag

229

<210> 34334  
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<223> Clone ID: 700891390H1

<400> 34334

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tgtgtgtgcc atgtccttag ctccaaacgt gtccaaagct ttacctca 228

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<212> DNA  
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<223> Clone ID: 700891392H1

<400> 34335

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actggagacc aagtcaaaga taagactcaa tccaaaagat taagtgaaca agatcaagtc 120

aatgtaaaat atctctcttg ataagcaata agttaatcaa ttaattaaag gtatatacct 180

tttgaaatat caatacaata aaatctctgt tgctcttttc tagcatt 227

<210> 34336  
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<213> Glycine max

<223> Clone ID: 700891393H1

<400> 34336

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ggagttagag cccatgatag ttggaagaaa ctttttggtta aaagtaaag ccaacattgg 180

aaattctgcg agttgcaagt tccatagaag agggagttta caaggtt

227

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<213> Glycine max

<223> Clone ID: 700891396H1

<400> 34337

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agatttatga ggacatttac caagaggacc tcatcaaacg cctagagtct 230

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<223> Clone ID: 700891402H1

<400> 34338

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cagggaaacc cactgggata acagtgttac aaagcattgg ggtaggactt ttcttggtcaa 180

tccttaacat gggtgtgtca gcacttggtg aggccaaaag gggtggtgct gcaaaagaga 240

gt 242

<210> 34339  
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<223> Clone ID: 700891403H1

<400> 34339

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ctgctgctta tgggtgcttac cccctttatg gagggcacca acaacaagta agctgaatga 180  
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<210> 34340  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891404H1

<400> 34340

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 gggtttttaa ctctattcga tcggcgattt cgaatactcg gaggctcgaa tcgtgttggg 180  
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<210> 34341  
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 <213> Glycine max

<223> Clone ID: 700891405H1

<400> 34341

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 tcttggggagc tcttttttagc atatgggaag aactgagatc agcaaagtca tgggaagaag 180  
 ttgaactaac agtgtggggg gaattgaaca attacaaagg ctttccgtga ccattggctg 240

<210> 34342  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891406H1

<400> 34342

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002220-03200

actgagaatg ttgatcaacg ttttgaggca cttgggtggc atgtaatttg ggtgaagaat 180

ggaaatactg gatatgatga aattcgtgca gccattaagg aagctaaggc tgtcaaaga 239

<210> 34343

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700891408H1

<400> 34343

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agaagatgct cctgatgata tagaagggtt ggatgcttca tctgcacatg ttgcgaattt 180

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891409H1

<400> 34344

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ggttgttgtg agcggtttca cgccaaaaac agaaacaatg cgcggaagaa tgaggattga 120

agaacaaaga gacagagaca gggacaaaga aagaggcatt gttgttcttc aatccaaaaa 180

tcatagcggc atggttgcat tctccttttt catcctctgt tccttaatcc tcctcgtaca 240

accttcttct tcttcca 257

<210> 34345

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891411H1

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gagtcgccgg attcggtcgt ggtttgctct ctctcccgcc gcagtggcca cgttatctcc 180  
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<223> Clone ID: 700891412H1

<400> 34346

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aatctcaaatt ctgaaattaa tatattttga agctatgggt gtatatttta atgttattga 180  
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aaggttat 248

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<223> Clone ID: 700891413H1

<400> 34347

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tcaaacctga gggatatgat tcgatcccaa gagaaattcc tgacccaaat gctaaagagc 180  
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<223> Clone ID: 700891414H1

<400> 34348

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 tgctcaaggg tcggaaactg agggaggcaa ataattagtc atatcgaggt tgagtaatac 180  
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<210> 34349

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891362H1

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 aaattcctat gccagggagg aatcgatctg gtggtctcta cccttgggga tggaggcaaa 180  
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<210> 34350

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891314H1

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 aggtgggttg cgcgagcac gggatcgacc ctaccggaag gtacgggtggg gactcggagt 180  
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<223> Clone ID: 700891315H1

<400> 34351

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 cagacctgga taccctgaat gaggattctt acaaggacag taccttgatt atgcagctgt 180  
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 <213> Glycine max

<223> Clone ID: 700891316H1

<400> 34352

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 caaactcctt ctttgaccg gtttccacat aacctttgtg aacaccgagt tcaaccacaa 180  
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<210> 34353  
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 <213> Glycine max

<223> Clone ID: 700891317H1

<400> 34353

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 aagtatctgt cccgcgggt ccttctcga ttctgtctta gggtttccag attccacttg 180  
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<223> Clone ID: 700891318H1

<400> 34354

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 attcatattc tttcgttctc ctagaaattc aggataccat caaatctcca ccatctgaag 180  
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 tttgtggct 249

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<223> Clone ID: 700891319H1

<400> 34355

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 acgtaaaaag tcgcogaacc ggcttgttgt ggatgaggct gtcaacgacg acaactccgt 180  
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<210> 34356  
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<223> Clone ID: 700891321H1

<400> 34356

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gacagtgaag gggaagaagg tgtgtgacaa aggggtggag tgcaagggtt ggtctgctta 180  
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 gaag 244

<210> 34357  
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 <212> DNA  
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 <223> Clone ID: 700891323H1  
 <400> 34357

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 gttcacggaa tactagccat caatatcatc aaccccttc ctatgatgga agttcagcga 180  
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 at 242

<210> 34358  
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 <400> 34358

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 aaccacaacc ctctcttcaa acccgaaact ctcatTTTTc cacggaaagc ccgttacata 120  
 ttcttccgc gtgcaccca ccaccaagtt attctcatcc aaacaaggca caatctccat 180  
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 ca 242

<210> 34359  
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<400> 34359

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 cttttggtga aatgtttcat gtgcctgcaa agcgatattt ttgagaaata tgtaagaat 180  
 tggggtgcaa tttgtgcgcc attccagggt gcaccaggaa ccatcaattc taccttttta 240  
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<210> 34360

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891326H1

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 ctcacccttc aactccacc tctacagtt tgcttatgct ttagccattg gtttctctaa 180  
 tcaatcacca caaaagggtg tacatggagg aaccataatt ctctgagtgg catgaagcag 240  
 ag 242

<210> 34361

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891327H1

<400> 34361

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 ttttacaact caaattttgc gttcgcttca cttcctctgg aaatctcttt ctattcgctg 180  
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<210> 34362

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891328H1

<400> 34362

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tcaatgccct tattaagatg catggcaacc gaggaaagtt tgccgagatg atgaaagttt 120  
ttgatgatat caagctctgc aattgctccc ctgatattgt tacttggaat acccttttgg 180  
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<210> 34363

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891329H1

<400> 34363

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actcgttggc cctgttacat acttgttgct ctccaagcct gccaaaggag tcgagaaatc 180  
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<210> 34364

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700891335H1

<400> 34364

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tactgccata aatgcagggt ctgtatctgc tgatgataga gttcgagatg aatctatgtt 180  
acatgcatcc aatatattat gtaatggcca tcctgaaaaa ttggtcagca gcagctccta 240  
tggtct 246

<210> 34365

<211> 241  
 <212> DNA  
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<223> Clone ID: 700891336H1

<400> 34365

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 agctaatttc acgctcgctg aagagtagat cgattttgtt agggaatgtt tatcttcctc 180  
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<210> 34366  
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<223> Clone ID: 700891337H1

<400> 34366

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 tctacgccga cgctactccc cgcaccgccg agaacttccg cgcgctttgc accggcgaga 180  
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 tcc 243

<210> 34367  
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<223> Clone ID: 700891339H1

<400> 34367

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 atgtccccgt cggagactcc attatttaca gccggaaaag gcagaagaaa acgccggaga 180

aaaccgccgg cgctgattac gaatttttcg agtccttgcc ggacgacctc gtaatctcca 240

t 241

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tcaagaccct caccggcaag accatcaccc ttgaggtgga aagctctgac accatcgaca 120

acgtcaaggc caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt 180

tcgccggaaa gcaacttgag gacggccgta cccttgctga ctacaacatt cagaaggaga 240

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<213> Glycine max

<223> Clone ID: 700891343H1

<400> 34369

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gattatgaac tgccaaagac ttcctaccg gtcgaccgtg ctcttggttct cagcaggatt 180

tgctgggctg tttatacaat cctatatcca tggctcaatc ggtggtggct tccacag 237

<210> 34370

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891345H1

<400> 34370

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tcttcccaaa ggtaacgggtt agcgtccacc gcaagttggt gaaatttcga agcttctcat 120  
 taaccaccac ttgtcctctt cttctacctc cggatttgcc gcgtttggca aaaacggctc 180  
 aaatttcact taccccaaac gaggttgaag aaattgctcc caaaattcaa caagtt 236

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<223> Clone ID: 700891349H1

<400> 34371

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 atgactgcaa gttgaggttt ttggagctga aggcaaaaag gacacaccgt ttcatagttt 180  
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<223> Clone ID: 700891353H1

<400> 34372

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 gccctttctg cgtcgatgtg aagaagctct tcggtgacct cggtgccaat tacaaggcca 180  
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<210> 34373  
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<223> Clone ID: 700891354H1

<400> 34373

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 atctctctca gtgcttcgcc cacaacggcg aagtggtttc cattaaaatc atccgcaaca 180  
 agctaacggg ccagcccgag ggctacggct tcgtcgagtt cgtctcgac gcctcggcc 239

<210> 34374  
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 tatgggagaa catttggggc gatcacatgc accacggctt ttatgacctg gattccacctg 180  
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 ctcacccttc aactccacc tctacagtt tgcttatgct ttagccattg gtttctctaa 180  
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 g 241

<210> 34376  
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<400> 34376

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 gggttttgtg aagcgggtgat tggaaagtct cgatctttga tcggttttcg tcgatggagg 180  
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<210> 34377

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891276H1

<400> 34377

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 aatgatttgc ttcaactatt tcagcctttt ggagtaataa caaagcttgt gatgttgctg 180  
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<210> 34378

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700891278H1

<400> 34378

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 gggattttta ggacttggtg gaatctgagg tcggttggtga catacttttc aagggtcaaaa 180  
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<210> 34379

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<223> Clone ID: 700891279H1

<400> 34379

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 agttcatggc agagatgaaa tgattttggt caattttggt tcagtgttcc aaaaggcctg 180  
 atgttcttgg agctcttgtg aacctgattt ctaacctctt gccatgtctt tcttcgaagt 240  
 ttgggactca c 251

<210> 34380  
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 <213> Glycine max

<223> Clone ID: 700891280H1

<400> 34380

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 ggtagtggtt gcattggatc agaaatttta taatgagatt tgctattaac ttgcatttta 180  
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<210> 34381  
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<223> Clone ID: 700891281H1

<400> 34381

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 atgattaact tcgaagaaac cgagttgcga ctcggcctcc ctggcaacga ctcagcactc 180

aagggaagtg tgccaagaga ggcttctctg aaactgcttc tgttgatttg aagcttaatc 240  
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<210> 34382  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891282H1

<400> 34382

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 cctcgggcag tgatatcaca gcagcagaac caggaccaa cacaaggaat gctttattat 180  
 aacaatccac acctcttcag caggaaagaa gctactaccc gtcaatggat cctcaaagaa 240  
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<210> 34383  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891284H1

<400> 34383

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 aacgtatatt ttgtgtttgc aggatacgag tttcatatcc atttcaatgg ggagcaccta 180  
 catttgatgc aggtgaagcc tttgttatga tgatgacatc ctttgttgct cttgtagagg 240  
 ttctctgaaa ggcaagagta 260

<210> 34384  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891285H1

<400> 34384

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 gctggccgag gttgagatgc ccggcctcat ggctgtcgg accgagttcg gcccctccca 180  
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 cattgagacc ctcaccg 257

<210> 34385  
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 <212> DNA  
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<223> Clone ID: 700891286H1

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 ggaattccag gagcatttta catcaaaaac tgtatgactg atgagttttt cctcgtcagt 180  
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 acaacttcag gagtta 256

<210> 34386  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891287H1

<400> 34386

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 aacctatgac gtgccagaag gagtggacat tctgggaaga tacgatgcag agtttgcaaa 120  
 aatcctcgca aaagatgctt tgaaattcgt tgctgaactg caacgtgagt tccggaacga 180  
 tatcaacatg cattagagcg cagaagagag gcaaagaaga agtacaatga aggggtctctt 240  
 ccgggggtttg atcctg 256

<210> 34387  
 <211> 258  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700891288H1

<400> 34387

aaaaatccac taacagcagc aagcttatct ctgcagcatt gaacaccaat tgaacaccaa 60  
tctgcagcat tgaacaccaa ttcaacgcc atgggtcagg aagaggaaaa atccaagaa 120  
aacaagtgg aggagaaaa agtagaaga gaagaaaaga agaagaaga gaaaaaatca 180  
gatgagaaga aattcaagga gaaatctgcg ccgccagaaa tcgtgcttaa agtggtcatg 240  
cattgtgaag gttgtgct 258

<210> 34388

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891289H1

<400> 34388

atggatggtt ttgctacatg gaaggaatct gatactccac cactttcttc ttggaaagct 60  
gcatgatgaa gtgcattgct taatgcttat actagtgatc cttaagtgtt tgctgctgct 120  
actttaagaa acatatcagt atgagtggca agccttcaca gttgaaagga ataagccatt 180  
ctagtttcta gtaattgatg tgtcttttta agtggtttga actctgtggc agatggttcc 240  
atatatgtgt ttatg 255

<210> 34389

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891290H1

<400> 34389

ctaaatatgg ctgacttggt ggaatggtca aagcaagata agaaacgaat gttcatgtc 60  
gtctaccgtg ttggtgacct tgatcgacc atcaaatttt acacagaatg tttaggaatg 120  
aagcttttga ggcaaagaga tatcccagag gagaaatatg ctaatgcttt tcttgattt 180  
ggcctgaaga atcccatttt gttgttgaat taacatataa ttatgggggt accctgatg 240

acattggcga tggc

254

<210> 34390  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891291H1

<400> 34390

gtttttgttg tcaatgttct aggttacata gcatacaact ttgtaatagg tgcttactca 60  
tattggggcc ctaaagctgg ttatagtata tataacatga ctaatgcaga tatgatgttt 120  
ggaggaatta ctgttgatg tggaatattg ggcaccgtag caggaggctt tgttcttgat 180  
tcatgactaa cacaatatca aatgcattta agcttctctc aatagcaaca tttattggtg 240  
gtgcatgctg t 251

<210> 34391  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891292H1

<400> 34391

cagagttcaa aatctttgat tgctgatgag atggacattg gtgtagatgg ggatgatgga 60  
gttggtgaac gtaaccaccc tacttcctca agcttgacag actcatctaa tggctctggc 120  
tcaatgatgc atagcagttc atcaggctct cggagctttg agaaccagga tcagtccaaa 180  
gtcaaatcaa ccatcattga ttgtgggtcg aaactaattg tcaaagctac ctatagagaa 240  
gacaccattc g 251

<210> 34392  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891293H1

<400> 34392

agcctaagag aattggattc taagctctag agagagagag agagagagag agagagagag 60



aagagagaat catgtggtgc tggaaaggag acggaggcta gaagaagaag aaaaaaagaa 120  
 gagctagaga gagggtagcc tcttgtaa tttgactgtt tttgtgtctg ttgctgcact 180  
 tataggagtt cttctattct aacaacctct gccaaccaac acaagcctga aaataaaata 240  
 aagatgctgc ctc 253

<210> 34393  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891294H1

<400> 34393

actgtgcaaa agaaaaagag agaacagaga tcaatggctg catggcgtgg ggtcggagat 60  
 ggaaggttga ttattactac tctcgaccgt gcggcagggg gtaatattaa taattattca 120  
 atcgtaaagc aaaccatgct gtaaaaaaca atttccattc aagtatggaa taacgggtgta 180  
 tactttttta ataaataaaa aaaacaacaa caacgggtgta ctacttttag g 231

<210> 34394  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891295H1

<400> 34394

agaaagtagg aatgatgaag agaagagggtg actgatatca ttcactgcag cagagagcat 60  
 agcaaagaaa agagaaaaga aaaccttttg atccccaaaa aagccatatt ttttcccacc 120  
 cacttttctt cttcccaaac accgccgtat ttcgctttct cttttctttt atcccttcca 180  
 ccaacatac 189

<210> 34395  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891303H1

<400> 34395

tacacggcac atacacatag tagctaacac catttgcata ttaaagagag tcacaagcca 60  
 attctgaacc acacactcac ttatttggtt ctttcaactc actcacagag taatggcatc 120  
 catggcggct ataggttctc tgaatgttcc ttgttctgct tcttcgcgtt catcgaatgt 180  
 gggaagaaaa agctttccac gcagcctttc attctctgca tcacaacttt gtggagacaa 240  
 gattcacaca 250

<210> 34396  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891305H1

<400> 34396

ccgccattat gctcaaattg gatagtggtt ggaattggtt catcaccttg agtgcacggg 60  
 attatcctct cataactcag gatgatctgt cccatgtttt ctcttctggt agtagagacc 120  
 tcaatttcat tgatcacact ggtgaccttg gatggaaaga gagtgatagg ttccagccaa 180  
 ttgtagtga cccgggacta tatttagcaa ggaaaagtca aatttttcaa gctacagaaa 240  
 agaggcc 247

<210> 34397  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891307H1

<400> 34397

ctcgagccgc tcgtcttcaa tcctttcggt attctcttat tcctccttct cttctgaata 60  
 atccagatct ctttctgccc ttttctccgt cacgcttttc gtgaccggat ctgtatggat 120  
 ttgatccaga tctacacgcc gatggtggtt ttggccgggt ctttcataga tctggtgcgt 180  
 agaggctcag atctacggta ccgaggtaca acagagaatc gatgacaaga acgcagatcc 240  
 gacgg 245

<210> 34398  
 <211> 245  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700891308H1

<400> 34398

ccactcttca tttggtactc cgtctacgtg gtggaatgca aatctttgtt aagactctga 60  
ccggaaagac catcaccctt gaggtggaga gctctgacac cattgacaat gttaaggcca 120  
agattcagga caaagagggt atcccaccag atcaacagag gctcatcttt gctggaaagc 180  
agcttgagga tggccgtacc cttgctgatt acaacatcca gaaggagtcc actcttcact 240  
tggtgta 245

<210> 34399

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891309H1

<400> 34399

aagcgattta gtcgaaaaga agagcagcga aaagctggag catgcggatt gggaggatgt 60  
tatcactctc cttgatgata acgaatggcc agaaaaaaca ccaggcttca gggaaaccat 120  
ggcgaaatat cgggccgagc taaagaaatt ggcagagaaa gtgatggagg tgatggatga 180  
gaatcttggc ttaaccaaag ggtacatcaa gaaggcactg aatggtggag atggagacaa 240  
tgc 243

<210> 34400

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891272H1

<400> 34400

gctgctggtg gttaccccc tgctggttac cctccacatg gttatcctgg atcatctgct 60  
ccacatggat ctcatgcgcc tgggcacggc ggtatggggg cattgcttgc tgggtgtgct 120  
gctgcggcac actgcgtatg gggctcacca tgtttcccat ggccatcatg gatatggtgc 180  
atatggagga tatggacaca tgcccatgg gaaattcaaa catcatggca agttcaagca 240

tggaaagttc ggcaa

255

<210> 34401  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891240H1

<400> 34401

gaaaaagtta gggtttgtaa ctttgtcttt tgcttgcgaa tctgaatcga ataataatca 60  
atcaatcatc atgtcgtcgg cgaagaagat cacactgaag agttcggacg gcgaggcttt 120  
cgaggtggac gaggcggtgg cgctggagtc tcagacgata aagcacatga tcgaggacga 180  
ctgcgccgac acggcatccc tctgccgaac gtgacgagca agatcctggc gaaggtgatc 240  
gagtactgca agaagcacgt cgag 264

<210> 34402  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891242H1

<400> 34402

ctgattcaga aactcttagg cattccacat tctcaacccc gaaccctaag agcagagcga 60  
aaatgacaac caccttcgcg accgtcgcag gactcgggtgg cgcattactg tcatccacct 120  
catctcgtct cacctcaggg tttgtgaaat cccagtgat tgctaggaat cccttgaggc 180  
aagctgtggc aatgggaaat gggaggatta catgctttga gaggaattgg ctgcgggcag 240  
attacagtgt gattgggttt g 261

<210> 34403  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891244H1

<400> 34403

cccagggaaac caagattgct tctgaaggac tcaaacatag agtgtttgag gtctcattgg 60

ctgatctcca aggagatgaa gaccatgcct tcaagaagat tcgtttgaga gctgaggatg 120  
 ttcaaggga aaatgttctg acaaactttt ggggaatgga tttcacaact gataagttga 180  
 ggtcctggtg cggaaatggc aaactttaat tgaagctcat gtggatgtca agaccactga 240  
 taattatact ttgagga 257

<210> 34404  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891245H1

<400> 34404

cacactagaa ctagttattc tgtgaacctc accttcaggc atggaatttg aaagtggtag 60  
 acagaagcaa aagggcacat ttgcatgctt gaagatgggt gccttaatag ctctatgtct 120  
 cattctaatt tctccagcag aatcatttga tccgttggat ccaaccggga acgtgacaat 180  
 aagatgggat atcatgtcct ggacatcaga tggttatttg gccactgtga cattgtttaa 240  
 ctttcaactg taccgcaa 258

<210> 34405  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891248H1

<400> 34405

caatgcaggc cgagctgcgt acctagctgc aaggaaagag cagtctgcac tcagggtgt 60  
 gattaaatgc attgaagaat acaaacttga ggatgagttc ccaccagaga atctgaagaa 120  
 gcgacttgac cagttggaga aggtgaagac ggtgaagacc gagaaaagga aaccggttgc 180  
 tgttcctgcc aataagagaa ctcgagcaag caacagcaat ggaggtccaa tgccaccagc 240  
 caaagctggg cgtttga 257

<210> 34406  
 <211> 129  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891249H1

<400> 34406

aatactttccg agtcacagaa caaatactgc ttttttctga gaaaaccgtt tcttactaat 60  
cacaatcagt tacagagggtg tgctgctgaa ataagtttagc tttaaaaaaa aatgtattac 120  
ttattttttc 129

<210> 34407

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700891250H1

<400> 34407

ctcctttctcg cactgccatt tgaaaccctt gacccgaatc gtttcctttc tcttcactcct 60  
ctgcctcagt ctcccaggat ccaatataaa tggaaatgga agcttcaaaa tttatggcta 120  
caacgaactg aagcctctat cagacttagc ttgcccgggt tagtggaaga atttgggggtg 180  
aagtaaagtg aaaattgcct tacgttagaa acgtgatcaa gttccatgga agaagagcat 240  
caatgttctg gaagtgggtga agaa 264

<210> 34408

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700891251H1

<400> 34408

tatctctgcc tttagagaat gtttgtctct atcatggaaa aatccttatg ttcttcgcct 60  
tgcttttctcc gctggaattg gaggctttct ctttggtctat gacacaggag tcatatctgg 120  
agtacttttg tacatcagag atgatttcaa agagggtggat agaaagacgt ggctgcagga 180  
agctatagtg atatggcact tgctggagca atcataggag cttcagttgg tggatggatc 240  
aacgatcgat ttgggagaaa gaaag 265

<210> 34409

<211> 165

<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700891252H1  
 <400> 34409  
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 ttctgtgtgt ttgttgca caatatatga gagagatnnn nntgaanntg tngtnattaa 120  
 ggttaatggt ggtggttgga aatggggatt gggagttgat ggtaa 165  
 <210> 34410  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891253H1  
 <400> 34410  
 cggctcgagt gcatgaaaat cgaaaaattc cccaaacttc acaccgtaca aaaccctagc 60  
 ccaattttac tcttcccaa attcaattcc ttcaaattcc ttccctataa tctcgatttt 120  
 gcttcgtgca atctctcttc gatcccaatg gacgacatgg aagacgacgc aaggtaccct 180  
 cccaagtcct ctccctcaac cggcagaacc cttcccaccg ccacaaacac cccatacgcg 240  
 ccgcccccta ccaccgcca atg 263  
 <210> 34411  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891254H1  
 <400> 34411  
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 tcaatgtgca tggaaagtgg gtatcccttg tttttggaat cattctcatg actgtattct 120  
 catcataaac cattgcatac catgtagtta atattcaaga gtgttatgat tgtgagaaag 180  
 gagtgagtat gagtgcttta gtggtgagtt tatcagagtg gattagggat atgagattgt 240  
 tgtatccctc tatgaattta 260

<210> 34412  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891255H1

<400> 34412

gagcttttag tccttttttt ttttccttct tctttcaaaa ataagaaaag aaaaattact 60  
 atgacaaggt ttttgaagga caccatgggc tacttaatta atttggcaat catggaagat 120  
 taagtgccta aatttgggtg ggaattaagt atgaaattga agccactgct tcttcaacta 180  
 gtttgatgct gtatgatgta tctattatta ggttgctgat cttctgggaa atatgtgtat 240  
 ttatatctag tactatatat a 261

<210> 34413  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891256H1

<400> 34413

ggaaaaataa taaaaagaaa gagaaaaaca caggagaaga gaagagagta gaagatacga 60  
 agatttgagg catttatata atcgaaattg gaagcgagga aggaaaatcg aaatcgaaaa 120  
 tggcagtaat ggagagggtg aagatgttcg tcgttcaaga gccagttgtc gccgcttcct 180  
 gtctcatcgt ggcttcgggc tttttcttcc tgcttttggtg aggcccatgt tggattcata 240  
 tcaggcaacc aagcaacctc ct 262

<210> 34414  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891257H1

<400> 34414

tctagagaga gagagagaga gagagagaga gagagaagaa agaatcatgt ggtgctggaa 60  
 aggagacgga ggctagaaga agaagaaaaa aagaagagct agagagaggg taccctcttg 120  
 ttaatttgca ctgtttgtgt gtctgttgct gcacttttag gagttcttct attctaacaa 180



cctctgccaa ccaacacaag gaagaaacag taatgctact gacatgggaa agaaggggag 240

ttggttttct gcaatcaaga g 261

<210> 34415

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700891258H1

<400> 34415

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tttccttctc tgccctccaa tgggtccttc attccgaccc caaaacccaa tcttccgtat 120

cccctgatgc tctcaatcct ctgctgtgctt acctttccct gcccgaagtc acctttggcc 180

ccaaaagggtg gcaactgcct gaagcagcaa acacgggttcc agcctcaaca gctaataaat 240

cgctctaga cagatat 257

<210> 34416

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891259H1

<400> 34416

ctcttttttc tctctcttgc aaaacctaatt tttcatttct tccctcaaatt ttcaaaatgc 60

gtgagatcct tcacatccag ggtggccaat gcggcaacca gatcggcgcc aagttctggg 120

agggtggttg cgcgagagacg ggatcgaccc taccggaagg tacggtgggg actcgagatt 180

gcactcgaga ggatcaatgt ctactacaac gaggccagtt gcggtcgggt cgtgccgcgc 240

gcggttctca tggac 255

<210> 34417

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700891260H1

<400> 34417

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 tcgaagcctg gggtagtcc accggcgagt tgcgctatct ccctgtctat gaggaaactt 120  
 acaagagtct gagatcgagg ggtattcggt tcctggccg tgacaatgaa agcttggtc 180  
 caattttcac tctcctcgt tcagtgtctt ctgctccgga ggctgatgtc aaccttcaac 240  
 agcagtttga gcatgat 257

<210> 34418  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891261H1

<400> 34418

tttccaactc cgatttcgtt tctcctccga aaaaccctaa tttcccttc gctcttcccc 60  
 atgaccacgg cgtactcatt tccccactc cgaaaatgtc gctccagggc agcgccagcg 120  
 taaacggcac cgtggcgggc gcgtcgacgg cgagcctgag gctgcggtg aaccctaaca 180  
 aggagcacia gcccgatggc tacgaggaca tgcaattgga tttcagccct aacattttca 240  
 gctcgctgga gag 253

<210> 34419  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891262H1

<400> 34419

tgcaaattgc gcacacgatt ctttgctttc cttcgaaact ctcccaaate ccactctctc 60  
 tctctctctc tctcataaat tcgccacctt ttattttgcg taactgctct gcaccttagt 120  
 cttctctctc cattctccaa ctccatttct tcgatctgga gctctccgct ttcaaagctg 180  
 tcaaatttcc gattcgggat ggacaaatac gagctcgtca aggatatagg atctgggaat 240  
 ttcggtgtgg ccaggc 256

<210> 34420  
 <211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891264H1

<400> 34420

cacaattctc tcttatcatc tttgttatta cctctttcca aagtccaaat tttctagttc 60  
 caccaaacca aaccaaacca aaatggcagc agcctcagcc tcatccatga tatcaacacc 120  
 agccttatct ccaaccatcc aaaagcacca tcatttgaag ccatccaacg tgtgcttcca 180  
 aggtcttaga cccctcgcaa ggttcaccaa agcctcatca accaaagtga gcaccaccac 240  
 caaaagggtt attccaa 257

<210> 34421  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891267H1

<400> 34421

cgagatagat aaacatctgt tagtaattga acaagttaaa atagtgacaa agtaaaagcc 60  
 tgataaggct aacgaacaat tttaacttgt tcaattacta accgatgttt tccttcttgt 120  
 aaatgttttag attaaagaag tataccgctt gacgagtaag a 161

<210> 34422  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891268H1

<400> 34422

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 gttgtccatg ggcaggagca gggctcttagc gaccaggtc agttgatgag aatgttcgca 120  
 gaaagggctc aaaagcaaca cacttccaat cattcgcatg ttgatactcc gccagtgaca 180  
 ctatcaggtc catctggaca gtgaaatgac tcgggcaatg cttcagcaac agctgcccac 240  
 gcatggatgt ctgttggggc 260

<210> 34423  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891269H1

<400> 34423

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 cggtcgtttc tttctctctc ctcaaccgga gacagcgtcg ccttcttttc tgaatctcgc 120  
 ggtgttggtta gttctgcggc gggtgtagtt ccggcggcga tgggacagca atcgttgatc 180  
 tacagcttcg tcgctcgcgg caccgtgatc ctacgggagt acaccgagtt caccggaaac 240  
 ttcaccagcg tggcggcgca g 261

<210> 34424  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891270H1

<400> 34424

gtttggtggt tagtgggtac ccttgccttc ataggaagtg agaaactagg ctagttagtc 60  
 ccattggaat tttttttttt tgtggctgaa gaaggtgaaa agggggcaag tttcactctt 120  
 caaggagttt gaagggtgtc aacttgtgtt ttgagactct gaggttgaag ctgcattttt 180  
 ttttaagggtg gggatgggtt ctagtgtgtg ttgtggtgtg acacttggtc ttgttttctg 240  
 cttatggggg gtgttga 257

<210> 34425  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891271H1

<400> 34425

agaaagagga gcacataata accctcaaac tccatttcac tcacagaaaa atagagatat 60  
 agagagagaa agtgctgcag aatacacaca tacacaccac ttcttcaaga gagagaggtg 120  
 tgtgaaggaa aataagaact gaaagacaaa ttttgcaaag gaagatatga aactttgcaa 180

atttaacact gagaaagaag atctgtgatt tctctctctc tttttgttgt tgttgttgtt 240

tgcagagaaa atcacacaaa 260

<210> 34426

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700891239H1

<400> 34426

cgacaaacaa atattattat tcaatagaaa agaaagatga gtccaacatg ggtttttgtg 60

ttaggtgttg cagcaatgtt ggtggttgtg agtggacaat catcagtga gccttttggg 120

aagacagtga aggggaagaa ggtgtgtgac aaaggggtgg agtgcaaagg ttggtctgca 180

tattgctgca atgagactat ctccgactac ttccagacat accagtttga gaacctcttc 240

gcgaacgcaa ttcgccggtg gca 263

<210> 34427

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700891208H1

<400> 34427

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tacaactgcc aaggaacact tgaaggaagc acaagcagag ctgcaagggtg tgtcaaaaga 120

attgacagct gctcttgaaa agaattgatag cctacaaaaa gaattagttg aagtctacaa 180

aaaggctgaa agcacagcag aggatttgaa ggaacaaaaa cagttagttg cttctctgaa 240

caaagattta caagcattag agcagcaagt 270

<210> 34428

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700891209H1

<400> 34428

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 gctcagttac agatgtgggg cttctgtcac ttgctaatat cagctgcctt caaagtttta 120  
 ctgtgcttca cctgcaaggc ttgggtccag gaggactggc tgcagcetta ttagcatgtg 180  
 gagggctaac aaaatgaagc ttcattcttc actaagacct ctgttacctc agctacttat 240  
 cagacatgta gaatcacgtg gctgtg 266

<210> 34429  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700891211H1

<400> 34429

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 agccagcggc gccntcggat catgggtggt cctactcctc ctccagcgtg gttacaccgt 120  
 ccatgccacc gtccaagata tcaaggatga aaatgagacg aaacatttgg aggaaatgga 180  
 aggagcaaag agtcatctcc atttttttga aatggatctt cttgacatcg actccattgc 240  
 cgctgccata aagggttggt ccggcg 266

<210> 34430  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891212H1

<400> 34430

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 tgaccaactt cgatgatggt aatgtggcag cacaatcatc actgcctcca aggccaaggg 180  
 tggcaagggt attccatcag cacctgctgc agcttctttc aatttcaatg cttatgagta 240  
 ctattggagg accaagtctg ca 262

<210> 34431

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<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891213H1

<400> 34431

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ataaggaagt gggtcgtcga gcacaagctc cgtactgttg ggtgtctatg gctcagtggg 120  
attacggggtt cgatcgctta caattgggtct cgaccaaca tgaaaactag tgttaagatc 180  
attcacgcta ggttgcacgc acaggctctt aactggggag cattagccgg agctgcacta 240  
gtagaatatt atgatcgtaa gac 263

<210> 34432  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891214H1

<400> 34432

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tttttcatat taacaattga aataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa aaaaaaaaaa aaaggggggc cccccccctt tttgtccctc cccccccggg 180  
ttttttttcc ggccggctcc tgggggggtcc ccccttttcc ccttgggggg ttttttttag 240  
ccttggggta aattgggttc c 261

<210> 34433  
<211> 262  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891215H1

<400> 34433

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acgagcgcca actggtggcg gaggcggcgc agtcggctct gaagagcgac agcgncaaag 120  
tggacaaggc caaggtggct gacgctgccg gcgatcttct cgacgcggcg gggaagtatg 180

gaaaacttga tgacaaacaa ggcatagggc aatatgttga caaggctgct gattatctgc 240  
 ataattacca gggtgataat ac 262

<210> 34434  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891216H1

<400> 34434

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 aagcttcttt gggttcctcc tatttggcga aggaactctt gatgatgtgc tggccaattt 120  
 cgataccaat cttggaattc ctttcgggtc tgtgctcaat gatgctgttc gtataagcta 180  
 cgccgcacac tgatgcttgt acttccagtt gtcttctttc cattgcgtct caacatagat 240  
 ggctcctct tctctaaatc aa 262

<210> 34435  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891218H1

<400> 34435

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 tcgtctcacc gaggttcgca agaacggaac ctgcccattg ttgaggcctg atgggaagac 120  
 ccaagtgact gttgagtatt acaatgacaa cggtgccatg gttccagttc gtagaccaca 180  
 ctgtgcttat ctccaccaac atgatgagac tgtgaccaac gacgaaattg cagctgacct 240  
 caaggagcat gtgatcaagc cggtgatccc gg 272

<210> 34436  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891222H1

<400> 34436



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 agaaagaaag aaattgagtt tgagatctga ttgtgcggcg acgatggaga acaacgacag 120  
 catcatatcg cgggagaaga tcgaccaggc agcgggtgtg ctcggctccg ccgtctcttc 180  
 cgctttcttt tctcattgg aacgcttttc ctgcgtcaac gtcgccacct ctgacccoga 240  
 caacgacgat gacgacgacg attattac 268

<210> 34437  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891223H1

<400> 34437

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 gtgctcttac aaagagtcca tcatctttga ggtctgtgaa gaatgtgtct aaagtgtttg 180  
 gattgaaatc atctccttta gagtgtcagc aatggcggta tataaagtga agctgattgg 240  
 accggacggt gaagagaatg aattt 265

<210> 34438  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891224H1

<400> 34438

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 caataaaatt catcatgcag tcagatgttt attccccaat gaaattgatt gctgtaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa catcatagaa 240  
 aaaataaaca gtggaagggt c 261

<210> 34439  
 <211> 263

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891225H1  
 <400> 34439

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 gctcgacccg cattgtagag ttcacgccgg agagacggcg gaatctcacc ggacgatcgt 180  
 gatttcgcat ctcatggctt ccgcctaccg gaacgaacct aattggccac ggcatagaag 240  
 cggtgaggct ggattcatgg gaa 263

<210> 34440  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891226H1  
 <400> 34440

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 tgctggtaac aagaatgggc ttctcttgcc ccataccacc acagaccaag aacttcaaca 120  
 tttgagaaac agtctacctg atcaagttgt tggtcagcga atagacgaaa ggttatctgc 180  
 tctgggaaat tgtatagcat gtaatgacca tgtggccctc acacacactg atcttgacag 240  
 ggagactgaa gagatgattg caga 264

<210> 34441  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891227H1  
 <400> 34441

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 ccacccaaat gagcaagaag agaaagttcg tagctgatgg agtgttcttc gctgaactga 120  
 acgaggttct gacaagggag ttagccgagg acggatactc cggcgtggaa gttagggtta 180  
 cgccgatgcy accgaaatca tcacagagc caccagaacc caagccgttc tcggtgagaa 240

gggaaggaga atcagggaa

259

<210> 34442  
 <211> 263  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700891228H1

&lt;400&gt; 34442

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 aagaagaaga agaagaagat gggacaggat cagaaccaga gatcgctgat ctacgcgttc 180  
 gtgtctcgcg gcacggtgat tctcgccgag tacactgaat tcagtggcaa cttcaacaca 240  
 atcgcgttcc agtgcctcca gaa 263

<210> 34443  
 <211> 257  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700891230H1

&lt;400&gt; 34443

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 ctctttacca gtatattctg gagacaagtg tctacccaag agaacctgaa tccatgaaag 180  
 aactgagaga gttgacagca aaacacccat ggaacatcat gacaacctct gcagacgaag 240  
 ggcagttctt gaacatg 257

<210> 34444  
 <211> 271  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700891233H1

&lt;400&gt; 34444

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atgggttgagg cctgatggga agacccaagt gactgttgag tattacaatg acaacgggtgc 120  
 catggttcca gtctgtgtcc aactgtgtct tatctccacc caacatgatg agactgtgac 180  
 caacgacgaa attgcagtga cctcaaggag catgtgatca agccgggtgat cccggagaag 240  
 taccttgatg agaagaccat tttccacttg a 271

<210> 34445  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891234H1

<400> 34445

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 acgctcttaa ggtcgatctc atcgaaactg gtcgcgttgt ctgctccatg aagatacctc 180  
 cgcgtttact caatgtggga attcgttaca cggtggcgcc atcgtgctc tggtcgacgt 240  
 ggtgggttcc gctgcgattc ccaccgttg 269

<210> 34446  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891235H1

<400> 34446

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 agcaaaacga ctgcggtttg gtcgtcgtct tccccgaggc atgctcttgg gatattatta 180  
 ttcatcatcg taatcacacc ctacagagac gttgactttg tgctttttct gggaggggaa 240  
 caaatggacc aagctcttct ggacgacat 269

<210> 34447  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891236H1

<400> 34447

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 tggactgcta gtggatcctc aaaatggaaa ggtacatggt tcctctgac atgcatttta 120  
 ttggaaatct cttttcaagt acattttttc ctctttttcc cagtgaatat tttgttgctg 180  
 tctttcattt agttcatgca tatgttaaag gatcaaatcg tttaattttt tccccctaaa 240  
 tttatgtcta tgattctttt tgtg 264

<210> 34448

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700891237H1

<400> 34448

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 acacattgct tcaaccacac caacactacc tcacacacta acacaatcag ccacccaaat 120  
 agccatcaca aaccgcaaca tccatagcct caacaatgct ggaagaggca ccaaaatcac 180  
 cggcatatcg cattcaaacg atacctgcat cgttttgggt acttacaaaa caacaacatt 240  
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<210> 34449

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700891238H1

<400> 34449

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 cccgccataa gggaaatgag acccgagacc gcgacccatg cgggaatcgg gtcgggtggg 180  
 attcggaggg tgatttccga gcggagattg atacgtcacc gccgtttggg tcggtgaaag 240  
 aggccgtgac ccgttttgga ggtag 265

<210> 34450  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891206H1

<400> 34450

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 ctattgcctt gaacacggca ttcagcccga tgggcagatg ccgagtgaca agaccgttgg 180  
 aggaggagac gacgcctcaa cacattcttc agcgagaccg gcgccggaaa gcacgtgcct 240  
 cgcgccgtct tcgtggatct tgagccca 268

<210> 34451  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891166H1

<400> 34451

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 gccggaggag tcgataccaa aggaggcagc gtatcaaata ataaacgatg agttgatgtt 180  
 ggatgggaac ccaaggttga acttggcatc atttgtgaca acctggatgg agccagagtg 240  
 tga 243

<210> 34452  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891168H1

<400> 34452

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ccacaaggac gcggataata agccagtaga aaccgatact ggttacgaca acacatcata 180

ttccaagcct tctgatgact atgactctgg tttcaacaag ccatcgtagt agtcttctgg 240

<210> 34453  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891169H1

<400> 34453

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atatctagga aatgcaaaag ctgattatat agcaacaaat cagctatctt tggatattaa 120

tggccctgat tactaccaca cagcccgcat agtcctctg tatcttaatt actatggcct 180

ttgtatgctg aacggcaatt ataaagtga acttcatttt gctgagatag cattc 235

<210> 34454  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891170H1

<400> 34454

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gctttatcat tatggagtcc ataatgctct tgaaaaatat ggtaatccct tttttttttg 180

tggtcgggga cttgggggtgt gtgaaaatcc gtcatttggg ttccgtgtgc tgt 233

<210> 34455  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891171H1

<400> 34455

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ttttacttcc attttttgac tgaaagaata aaaaaatgat atgattcaac ctcaaactca 120





agaagggaaa cacctttggt tctcacatcg cagtatttgg tcatgttttt cgataaataa 180  
 atctgaggat gaggtttttt ttttttgggt acatgaagat gacgttgctg a 231

<210> 34459  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891178H1

<400> 34459

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 aatggcatgg ttggctccac ttcataaccg atcacacagg agatgagctt cttttactga 120  
 aacaaaaaag gtatggtggt gaacacaaag aaaatttgtc tggggaaggt gaacagtata 180  
 tctatcattc caaaggacat gcacttaatc cagggcagag aaactggacc aggtaccaac 240

<210> 34460  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891179H1

<400> 34460

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 tcccttgcaa agatcaaacg tttaccttga agagaaaagg tggatgatgat gttgctgagg 180  
 aagaagtgc agtatatgat tatttggtaa atatcggcag gatagatcgt cg 232

<210> 34461  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891180H1

<400> 34461

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 cccaaacact tcaacatggc ttcttcagct atggaaacct gcaaatcaga ggatttgcac 120

atgcaggttg acattgagaa gaacgcgaag gacataaggt ctcaagtgggt gcttaacgct 180  
 cctgagcccc caagtccatg gcgtgtggtt gcagattctg tgagcaaaac tatctccac 240  
 tataa 245

<210> 34462  
 <211> 245  
 <212> DNA  
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<223> Clone ID: 700891181H1

<400> 34462

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 aagcagaaga agagccagat ccagaacgcg aagaggttgt tgataagcat caatgtgctg 180  
 gggagcgcgg ggcccattag atttgtggtt atttcaggag gagcttgtgg cggcggtgat 240  
 agaca 245

<210> 34463  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891182H1

<400> 34463

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 gctggagaat acaaagggga gcaccatggt gaacacagta gtgagtacaa aggagagcat 180  
 catggtgaac acaaagctgg agagtaccat ggtgagcaca agccagagca caaagag 237

<210> 34464  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891183H1

<400> 34464



<400> 34467

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 aaaagaatca atcattcatt gatcgctgaa acgatacgat gacaggggaag gcgaacgna 180  
 gaagcacacg gcgaaggaga tcgcggcgaa ggtggacgcg gcgacca 227

<210> 34468

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891189H1

<400> 34468

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 cggtgggaga caaggctccg gcggatctgg tgccaaaagc cggaacgaag cttgcgaagg 180  
 atcgactcgc cgctcgctgag tgtaagaagt cgacgagtta caagaagatc gtg 233

<210> 34469

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700891191H1

<400> 34469

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 ttatagcagg aacagacccg agttccgcga caatagtttg ggcaatgaat gcactgttga 180  
 agaatcccaa tgtgatgagc aaggttcaag gagaagtgag acatctattc ggtg 234

<210> 34470

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 700891192H1

<400> 34470

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 tgctggaact gcatgatggt catgacaaac aaagggtcaaa ggaatccttt ataaatatgg 180  
 cagctggagc aaatg 195

<210> 34471

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891195H1

<400> 34471

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 ggtgggagac aaggctccgg cggagaagaa gccaaaggcc ggaaagaagc ttccgaaaga 180  
 gggaagcgcc ggcggagaag gtaagaagaa gaagagaaac aagaagagcg tggagacata 240  
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<210> 34472

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700891196H1

<400> 34472

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 aaatgcctcc agggcaaggg atttccttgc aattttcaga gtaatgggag ttctatggaa 180  
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<210> 34473

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891202H1

<400> 34473

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caagtgggtc ggacgctgat tccagcaaca agcggctggt gctcgactg tatgacgccc 180  
taaactccgg cgactccgac gccgtcgtca agatcgtcgc cgccgacctc gagggtggt 240  
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<210> 34474

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891203H1

<400> 34474

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caaaaaatcgg tccattgggt ctctccccaaga agaagatcgg agaagacatt gcgaaggaaa 180  
ccgcgaagga ctggaagggc ctccgcgtaa cgggtgaagct gacattacag aaccggcagg 240  
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<210> 34475

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700891204H1

<400> 34475

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aaaaacaata ccctttctct ctcaattccc accaagcccc tcaacctcca tcttccatgc 180  
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<223> Clone ID: 700891205H1

<400> 34476

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<210> 34477  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891165H1

<400> 34477

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 cattaggtca caagcaatca agcagcttca aatcagtcta ccccttttca ggaaactatg 180  
 tattttgaaa ggtgtaactc caagggagcc taagaaaaag ttcaaggga ctcacagac 240  
 ttattaccat gtcaaggatg ttt 263

<210> 34478  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891130H1

<400> 34478

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aaatcccgag atgtttgtat tgttggtgtt gcacggacgc caataggtgg ttacttggc 180  
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 agagca 246

<210> 34479  
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 <213> Glycine max  
 <223> Clone ID: 700891131H1  
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 agatgagcgg ctagcaaact caccttctag aaaagatggc atagatgaag ccactgagac 180  
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<210> 34480  
 <211> 249  
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 <213> Glycine max  
 <223> Clone ID: 700891132H1  
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<210> 34481  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891133H1



<400> 34481

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 ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180  
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<210> 34482

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891134H1

<400> 34482

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 gcaatgaaca acgaggcttc tggtagatac atttgctttg accatgtaat tgatacacat 180  
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<210> 34483

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891136H1

<400> 34483

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 ggattacggg ccattggaaa tttgtgcatt tcacttaggg agcttagtct aagcaaagt 180  
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<210> 34484

<211> 243  
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<223> Clone ID: 700891137H1

<400> 34484

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 cctcctggag agttcgctcg agaaatccct ctttcaaccc gaattcctga agacgccaac 180  
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<210> 34485  
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<223> Clone ID: 700891138H1

<400> 34485

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 caatgtatcc ataccattga gtaagcagga ggatcttatt gtctggatgc gaactgctgc 180  
 tttgccaact tttaggaagt tgtatggaaa gatagagggtg gatctgaatg aagggtgata 239

<210> 34486  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891140H1

<400> 34486

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 gaagttctca caggaagagc tccttcacgc cagtaccctt caccggctcg tccccgaatg 180  
 gaggtagagc cggaacaggc tgcggtggac cttcccaaatt gggttcgctc ggt 233

<210> 34487  
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<223> Clone ID: 700891141H1

<400> 34487

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 gccgagcagg agcggagggc cgccattatt agggctgagg gtgagagcga tgcggccaag 180  
 ctgatctcgg acgccactgc ctcggccggg atggggttga tcgagctaag gaggat 236

<210> 34488  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891142H1

<400> 34488

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 tgctaacgag agatgggcta ttgatcggtt gcttaaagtg ataaagatgc cacatccagt 180  
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<210> 34489  
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 <213> Glycine max

<223> Clone ID: 700891143H1

<400> 34489

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 agcttgacgg tgacgtcgcc ggacaacatc aagggcacgc acgatagcgc gattgggaac 180  
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<210> 34490  
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 <212> DNA  
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<223> Clone ID: 700891147H1

<400> 34490

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 ctccgccgtc gccggcaccg caaactcaat ttccggcgcg tgctttacta aggcacgtga 180  
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<210> 34491  
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<223> Clone ID: 700891148H1

<400> 34491

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 cttccgtta caaggaaatt gagaatggaa tgctgtggga agttgagggg aagtgggttg 180  
 ttaaaggagc agttgatgta gacattggtg caaaccttc tgctgagggt ggaggagaag 240  
 atgaggg 247

<210> 34492  
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<223> Clone ID: 700891150H1

<400> 34492

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tttgcaggca ctatacttct gtgttccatt tcgagaacaa ttgctagaat attatgcaaa 180  
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<210> 34496  
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<223> Clone ID: 700891155H1

<400> 34496

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gccgtcgtcg gcgctctcac cggaggcact gcctttgccg gttacgcctc ttacgcttac 180  
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<223> Clone ID: 700891156H1

<400> 34497

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caaacgggtc tcaagctgag tacattcacc cttacctgt caaacctca aactcttcac 180  
tctcagctc ataccctctt ctctcttca ccacagcatt t 221

<210> 34498  
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<223> Clone ID: 700891157H1

<400> 34498

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ctgcaatctt actggtgaat cagacatcta gggtagagata tcatggacca aaacttctta 180  
acttccttgt agaattttat gagagaaaca caggtaagca tatcccgaat cttgtt 236

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<223> Clone ID: 700891158H1

<400> 34499

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ggaacacctg cttgtgctgt acatatacct cttccagtta ttttctctcc ctttttcta 180  
ctgcaaggag ctggggtaat gttatctgca tctaaattag gggagaaact tgt 233

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<223> Clone ID: 700891159H1

<400> 34500

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accttgatg aatctctatg cgatcaggct gggcaggaca aggcaagggtg cttgaagtt 180  
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<210> 34501  
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<223> Clone ID: 700891161H1

<400> 34501

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ttgacaaatg agaaggaagt cgatgccac cctatccgag ctatgaagtt ttctgtctca 180  
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<210> 34502  
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<223> Clone ID: 700891162H1

<400> 34502

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<223> Clone ID: 700891164H1

<400> 34503

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<210> 34504  
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<223> Clone ID: 700891129H1

<400> 34504

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gaaatccact accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat 180  
tgagaggttt gagaaggaag ctgctgagtt gagcaagagg tctttcaagt atgcctgg 238

<210> 34505  
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<223> Clone ID: 700891094H1

<400> 34505

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ccaccttggt caggccttct ctaccttcca ggcgaatctt ctcttgacac cgaagcctca 180  
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<223> Clone ID: 700891095H1

<400> 34506

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<213> Glycine max

<223> Clone ID: 700891096H1

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 gagagacaag agggaaaagt agtggctgaa aag 153

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<210> 34510  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891104H1



<211> 207  
 <212> DNA  
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<223> Clone ID: 700891107H1

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<210> 34514  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891108H1

<400> 34514

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<210> 34515  
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 <212> DNA  
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<223> Clone ID: 700891109H1

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 cagcctcctg gtggttcctc tcctttaccc acccacgggg atctcaccga ttcgatatct 180  
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241

<210> 34516  
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<212> DNA  
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<223> Clone ID: 700891111H1

<400> 34516

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ttataatttg ctttgacttg gcggcacaaa ttgtagattt cttgtacagt attttctgat 180  
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<210> 34517  
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<212> DNA  
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<223> Clone ID: 700891112H1

<400> 34517

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agaagtgaaa gaagaagcag aagagcctaa agaaactact gaaacagaaa cagaatcagc 180  
accagcagca accacagagg aagagaacaa accagctgag acagtgaag cccagtaga 240  
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<210> 34518  
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<223> Clone ID: 700891114H1

<400> 34518

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ttttgttcca ttgaaacaa tattcatcga tccatcgcca aacatgcctt ctagtcactt 180  
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<210> 34519  
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 <212> DNA  
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<223> Clone ID: 700891115H1

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